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BANK 852
NUMBER



THE CHEMIST AND DRUGGIST

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Subscription, 10s. per annum, including Diary,
Free the World over. Single Copies, 4d. each;
Winter and Summer Issues 1s. each, Post Free.

Toilet Soaps.

With Chemist's own name.

ALLEN & HANBURY'S Ltd. can supply Chemists with High-class Milled TOILET SOAPS of their own manufacture, at prices to compete with the cutting rates of Stores, &c., for the highly-advertised articles. At the same time a fair profit is obtained, and, by supplying a first-class article, every satisfaction is given to the purchaser.

These Soaps are made from pure edible fats, and are guaranteed free from all Adulterants, free Caustic Alkali, or injurious colouring matters. They are delicately perfumed, and, being superfatted, are suited to the most tender skins or for nursery use.

Put up in cardboard boxes and carton cases to hold three tablets, with Customer's name and address; also in wooden boxes holding three dozen unwrapped tablets.

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Allen & Hanburys Ltd., Bethnal Green, London.

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OVER 60 YEARS.

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PERCHLORIDE OF IRON, NITRIC ACID, &c.

Specially Prepared for **PROCESS WORK.**

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QUALITY.)

NICKEL SALTS, ACIDS, AND ALL PLATING CHEMICALS.

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**STEAMBOAT PIER,
BATTERSEA SQUARE.**

BATTERSEA, S.W.

**NEAREST STATION,
OLD BATTERSEA STATION,
West London Extension Railway.**

THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, SEPTEMBER 25, 1897.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 14,000.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.

PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.

VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—£1,300.—LONDON, N.W.—Illness cause of sale.—Good-class Dispensing and Retail, situate in close proximity to busy railway-station; returns last year exceeded £1,300, with excellent profits; the shop is fitted in mahogany, and is well stocked; an immediate sale is necessary; full particulars on application.

2.—£900.—LONDON (High-class Suburb).—Dispensing and Retail Business; returns £900 yearly; net profit £300; attractive pharmacy and good stock; commodious house and good-sized garden; held on long lease; price about £900; offer wanted.

3.—£3,000.—LONDON, W. (High-class Drug-store).—Dispensing and Retail, including Photographic goods; returns last year exceeded £3,000, increasing; net profit about £600; the shop is situate in main road, corner position; commodious premises, held on long lease; price, good-will £500, and valuation of stock and fixtures.

4.—£1,000.—WEST-END.—First-class Dispensing and Retail Business; returns under manager £1,000 yearly (average), could be doubled by personal attention; the shop is handsomely fitted and well stocked; commodious house, part can be let off; 21 years' lease; price £950.

5.—£1,000.—CITY (10 minutes from).—Well-established Business, situate near busy railway-station; returns £1,000; net profit £350; the shop is well fitted (by Trehle); intending investors with about £650 at command can have particulars.

6.—£950.—ESSEX.—Good-class Family Business, situate in pretty locality on the borders of Epping Forest, 12 miles from London; returns last year about £950, with excellent profits; modern house, recently decorated and painted; vendor is desirous of an immediate sale, having other business in another county, and will accept £850; part may remain.

7.—£700.—LONDON, N. (Suburb).—Middle-class Business; returns £700, with good profits; the shop is well fitted and stocked; convenient house; price £450 cash.

8.—£750.—CATHEDRAL CITY (West).—Retail, Dispensing, and Prescribing Business, well situated in the centre of town; returns last year £750, increasing; net profit £264; nicely-fitted shop, lighted by electric light; comfortable residence; bath-room, &c.; price £650.

9.—EASTERN COUNTY (Good Provincial Town).—Partnership; half or one-third for disposal; good-class Business, situate in the market place; the half-share produces £500 net; terms for half-share good-will £300, and valuation of stock and fixtures.

10.—£1,000.—WALES.—Well-established Business, situate in the main street; returns £1,000; net profit £400; modern-fitted shop, and good stock; comfortable house, held on lease; price £750; offer wanted.

11.—£1,200.—KENT (within easy distance of London).—Retail, Dispensing, and Prescribing Business, situate in the High Street; returns nearly £1,200; net profit £310; price £650.

12.—£1,000.—HAMPSHIRE (Large Favourite Town).—Good-class Family and Dispensing Business; returns £1,000; good profits, about 50 per cent. gross; handsomely-fitted shop, and good stock; the house is large and convenient, and held on lease; price about £900.

13.—£900.—SOMERSET.—Unopposed Business; Retail and Agricultural Trade; returns £900; the house is commodious, large and attractive garden; low rent; price about £650.

14.—£850.—BEDFORDSHIRE (Market Town).—Old-established Business, well situated in the market place; returns £850; net profit about £300; good house and garden; price £700.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the special attention of a London Agent.

SPECIAL NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale, suitable for Gentlemen with Small Capital, from £200 to £500.

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

TENDERS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

THE ROYAL HOSPITAL FOR DISEASES OF THE CHEST, CITY ROAD, E.C.

THE Drug Committee invites TENDERS for the SUPPLY OF DRUGS, &c., to this Hospital from September 29, 1897, to September 29, 1898. sealed Tenders, addressed "Tenders for Drugs, &c.," must be forwarded to the Secretary, at the Hospital, not later than the 25th instant. Forms of tenders and all other information can be obtained at the Secretary's office. The Drug Committee does not undertake to accept the lowest or any other tender. Separate Tenders are invited for the supply of "Extract of Malt" and "Extract of Malt and Oil." By order,
September 17, 1897. JOHN HARROLD, Secretary.

APPRENTICESHIPS.

RETAIL.

BEVERLEY.—T. Marshall & Sons, Beverley, Yorks, have a vacancy for a well-educated youth as Apprentice; premium required; indoors; every opportunity is offered for thoroughly learning the business.

OCTAVIUS CORDER, Pharmaceutical Chemist, London Street, Norwich, has a vacancy for a well-educated youth as an Apprentice.

YOUTH (17), 5 ft. 7 in., wishes to be outdoor Apprentice to good Chemist; North London preferred; passed equivalent to Prelim. Cooper, 73 Parkhurst Road, Holloway, N.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS.
NO CHARGE TO BUYERS.

£600 returns.—**BERKS.**—Good-class Light Retail and Dispensing; good position for up-to-date man; in addition, appointment produces a net annual income of £100; valuation terms can be arranged; about £500.

£700 returns.—**LANCASHIRE.**—General Retail, in pleasant market town; good house, garden, &c.; valuation about £400.

£550 returns.—**YORKS.**—Under unqualified man; good pushing man would much extend the trade; price £275.

£2,000 to £3,000 returns.—**LANCASHIRE.**—Chiefly own Proprietaries and Patents, some Wholesale; good working order; cash required about £2,000.

£6,000 to £7,000 returns.—**MIDLANDS.**—Local Wholesale, within easy radius; well adapted to two pushing men, who could largely increase; income about £1,600, part of which can remain on security.

£900 returns.—**BEDS.**—Good Country Retail, out of reach of Stores; good house, large garden, and in all respects a very desirable investment; net profit £300; price £700.

£360 returns.—**BIRMINGHAM.**—Good well-fitted and attractive corner; profitable Retail, capable of much increase; price £225.

£670 returns.—**LANC.**—Dispensing and Light Retail, in favourite residential town; good residence; price £600, or valuation.

£400 returns.—**NOTTINGHAM.**—Death vacancy; until serious illness of deceased returns were double, and can be again, as the district is improving, and no other chemist near; price £300.

£700 returns.—**DERBYSHIRE.**—Central position of good town energetic man could vastly increase; valuation about £450.

£450 returns.—**DERBYSHIRE.**—Branch Retail; good house; with personal attention can be much increased; valuation about £150.

£540 returns.—**NORWICH.**—Good-class Shurban Retail; steadily growing; vendor taking larger concern; price £440.

WANTED.

F. J. BRETT has numerous inquiries for Businesses of all sizes and classes, and can speedily sell your Business for you.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**HOME COUNTY.**—Twelve miles out; good-class Retail and Dispensing Business, returning about £1,000; low rent; good house; well-fitted shop, heavily stocked; price £850; part can remain.

2.—**SUFFOLK.**—Light Retail and Prescribing Business; returns £600; rent £50; good house; stock and fixtures worth £400; owner, going abroad, will accept £250 for immediate sale.

3.—**HAMPSHIRE.**—Good-class Retail, Dispensing, and Prescribing Business; returns £6 weekly; neglected through serious illness; main road position; price £150, or valuation.

4.—**SCOTLAND.**—Retail and Prescribing Business; returns £12 weekly; for sale through unforeseen circumstances; low rent; price £150, much less than valuation.

5.—**WILTSHIRE.**—Small market town; good-class Retail and Dispensing Business; returns £600; same hands many years; retiring; good house, large garden; price £450.

6.—**WILTSHIRE.**—Market town; Retail and Prescribing Business; returns £350; can be doubled; rent £25; good house; shop is well fitted and stocked; price £225; early sale desired.

7.—**SURREY.**—Very pleasant locality, banks of Thames; Light Retail, Dispensing, and Prescribing Business; returns over £400; scope for increase in younger hands; price £325.

8.—**SOUTH WALES.**—Light Retail and Prescribing Business; returns £1,000; net profit £400, after paying all expenses; good house, lease worth £200; price £750 or offer; trial allowed.

9.—**LONDON, N.W.**—First-class Retail and Dispensing Business, returning £1,360; old-established; good house; selling solely on account of illness; price £1,300, or offer.

10.—**LONDON (Eastern Suburb).**—Opposite large estate, where 1,000 houses are being built; returns £9 week; will do £20 next year; rent £26, long lease; price £320.

Particulars of either of the above free on application.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

102

JUDD & MANNERS

CHEMISTS' VALUERS,

Transfer Agents, Partnership Negotiators,
Arbitrators and Accountants,

76 CANNON STREET, LONDON, E.C.,

Are instructed to offer the following Investments:—

CHESHIRE (owner retiring from business).—Good-class Family and Dispensing, with Photographic department; returns average nearly £1,800 for past 3 years; good profits; splendid position in centre of a lively town; price about £1,650; good house and handsome pharmacy.

HOME COUNTY (40 miles from London).—Old-established Family and Prescribing trade; returns £1,580; large and convenient house, held on long lease at a moderate rent; price £250 goodwill and valuation; owner retiring.

DORSET.—Good-class Country trade in pleasant market town; returns £1,200; rent £45; price £800; the premises are the property of the vendor who will grant a lease or sell the freehold; owner retiring.

DEVONSHIRE.—Good-class Retail and Dispensing trade; established by vendor about 7 years ago; he is now retiring from the retail trade; returns £4,313; capital premises; price £3,250; the shop is double fronted, very handsomely fitted, and well stocked.

NORTH-WEST OF ENGLAND (in busy market town).—Returns £1,000; rent £35; price £600 or valuation; this business has been conducted under the management of an assistant, and is capable of great extension under the personal supervision of a principal.

YORKSHIRE (West Riding).—Branch Retail and Prescribing trade, returning under manager about £10 weekly; good house and handsome pharmacy; valuation of stock and fixtures will be accepted.

LANCASHIRE.—Branch Retail and Prescribing, with good sale of own Proprietaries; returns £16 10s. under a manager; rent and rates, £40; lock-up shop; valuation of stock and fixtures will be accepted.

LONDON, W.—Cash Prescribing trade, giving a net profit of nearly £200 a year; price £230; capital position, and plenty of scope for increase.

VALUATIONS for Probate or Transfer by a fully qualified member of the Firm. Books Audited, Balance Sheets Prepared and Chartered Accountants' Certificate given.

FERGUSON & OSBORNE

VALUERS and TRANSFER AGENTS.

VALUATIONS A SPECIALITY.

Our Mr. FERGUSON, Ph. Ch. (Exam.), having had a thorough practical training and long experience in the Wholesale and Retail, and as a Professional Valuer, gives his personal attention to this department. Terms on application.

1.—**LONDON, W.**—A first-class Dispensing and select Retail Business with several valuable Proprietaries; old established; well fitted and stocked; returns £1,000; price £525.

2.—**LONDON SUBURB** (main road).—Retail and Dispensing Business; nice shop; full stock; prominent position; extra good 7-roomed house, garden, &c.; returns £650; price £420.

3.—**SUBURBAN PHARMACY.**—Large shop; excellent fittings and well-selected stock; modern house, garden, &c.; substantial returns; price £350.

4.—**OXFORDSHIRE.**—Light Retail and Prescribing Business; house 7 rooms, private entrance; returns about £350; rent only £24; price £250.

5.—**LONDON** (Pimlico).—Returns £500; price £200; bargain.

56 CHEAPSIDE, LONDON, E.C.

THOMAS TOMLINSON & SON,

M.P.S.,

Chemists' Transfer Agents and Valuers,

9 NEW CANNON STREET, MANCHESTER.

44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detail.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bona-fide buyers without publicity and the annoyance of answering "curiosity" applications. No charge made unless Sale is effected.

BUSINESSES FOR DISPOSAL of various classes and amounts of returns ranging from £200 to £4,000. Particulars given to bona-fide applicants stating outline of requirements.

Have constant inquiries for REGISTERED ASSISTANTS.
Applicants introduced free.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"Tomtom."

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ABERDEEN. Old-established Retail and Dispensing Business; no opposition near; excellent family connection. 265/20, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CORNWALL. £250 or nearest offer, mixed country business; Gill's Wine and Spirits; good house and lofty shop, two windows, good position; rent £23 a year; splendid photographic studio attached to house; side entrance; splendid opening for professional photography; returns about £650, could be almost doubled; thorough investigation. 02 (269/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

HASTINGS (best part of). Good-class Light Retail and Dispensing Business; returns £800; quite unopposed; surrounded by first-class residences; low rent; most convenient house; owner must reside in London; will accept valuation of stock and fixtures about £350; chance very seldom offering. 271/17, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

IPSWICH. For Sale, in good position, old-established Chemist's Business; owner giving up owing to going abroad; price to an immediate purchaser £200, including goods, stock, and fixtures; this is considerably under value, and is an exceptional chance for a pushing man with small capital. Apply, Grimwade Ridley, Ipswich.

KENT (Coast). First-class Light Retail and Dispensing Business, producing a net profit of about £500 yearly after paying all expenses; low rent; good house, thorough repair; elegantly fitted Pharmacy; well stocked; price £1,200; principals only with the cash treated with. "Aldin" (271/16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

KENT Suburb. Old-established Retail and Dispensing Business, capable of great increase by an energetic man; would suit a beginner well; only a small sum required. 271/20, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LANCASHIRE. Light Retail and Prescribing Business for Sale; returns under indifferent management, £260; rent (house and shop) £26; price about £400 or valuation. For further particulars apply, "Buloh," c/o Oldfield, Pattinson & Co., Wholesale Druggists, Told Street, Manchester.

LIVERPOOL. To be Disposed of, in consequence of the death of proprietor, 4 Retail and Dispensing Businesses, all situated in busy and populous districts in Liverpool; the businesses offer unlimited scope to a man of energy and means, and must be sold at once to an immediate purchaser; a very low price will be accepted. Address, John Guy, The Mount, Queen's Park, Chester.

LONDON, E. Chemist's Improving Business; good position, populous district; shop well stocked and nicely fitted; £70 income in 1896, under new management; taking large business; house let off. J. L. c/o Messrs. Bales Brothers, Jewry Street, Aldgate.

LONDON, S.W. Good-class Ready-money Business; main thoroughfare; established 22 years; corner shop, well fitted and stocked; good prices; average sales 3 years £500; net profits £200; rent £70; lease obtainable 21 years; house (private entrance) 9 rooms; inclusive price £425; investigation invited. "Specs," c/o Wright, Layman & Unmy, Southwark, London.

LONDON. Patent Medicine and Oil and Colour Business for Sale; quiet trade; no opposition; doing during winter months about 250 gallons oil weekly; also a nice little trade in patents and liniments; rent only £20; cash required for fixtures, stock, &c., about £250 to £300; or stock could be reduced; purchaser would be taught by proprietor, who resides twenty minutes' walk of same. Apply, 157 Gipsy Lane, Forest Gate, E.

MIDLANDS. For immediate Sale, an old-established Chemist's Business; returns over £1,000; Cash business; well stocked and neatly fitted shop; profitable agency; good Tooth-extracting connection; large house; garden; exceptional reasons for selling; very good opening for qualified man. For further particulars apply, H. Bramall, 86, James Street, Sheffield.

NORTH WALES. In best part of most prosperous and progressive town, a small Chemist's Business for immediate Disposal; energetic man could treble returns in six months; other engagements sole reason for selling. "Ogwen" (265/30), Office of THE CHEMIST AND DRUGGIST, 2 Cannon Street, E.C.

SHEFFIELD. Small Retail to be Disposed of in thickly-populated neighbourhood. Full particulars from O. H. Twelves, 4/9 London Road, Sheffield.

WEST OF ENGLAND. Rare opportunity for beginner, only £200 or thereabout being required; Retail and Dispensing; steadily improving trade; healthy inland town; rent moderate; bona fide reasons for disposal. Apply by letter, without delay, "Benzoin," c/o Messrs. Stone & Co., Chemists, Exeter.

YORKSHIRE (Borders of) good class Light Retail and Dispensing Business; in same hands over 40 years; returns £750; best position in the town; capable of doing much larger trade in southern land; well sold and heavily stocked; good house on lease; price £700. "Betting" (71/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE (West Riding). Chemist's and Druggist's Business for Sale in large manufacturing town West Riding of Yorkshire; centrally situated; imposing frontage; about four yards' plate-glass windows each side, central door, several large signs; old-established; turns average £500 yearly, easily increased; daily till 11 p.m. of takings as seen; valuable proprietary articles; shop fully stocked up to date; adorne fixtures; wine licence; offered for £120 to immediate purchaser. Apply, A. (265/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE. For Disposal, Cash Business, with Post office; in good position, populous neighbourhood, returns of many years; in last year, under management, £400; capable of considerable improvement; post-office pays half rent; price £220, or valuation. Apply, "250 zola" (269/17), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR immediate Disposal, genuine Retail and Prescribing; corner shop; Rent £28; net profits over 25 per cent.; well stocked; returns £630; price £320. Marshall, Wilton, Birmingham.

IMPORTANT Town near London. Genuine Light Retail; returns about £300; P.O. attached bringing substantial additional income. Apply, E. J. Allen, Herrings & Co., Abchurch Lane, E.C.

RARE opportunity; under exceptional circumstances; unopposed Chemist's Business, in village near Bath, for £50 cash; the shop is closed, but is well fitted and stocked. Apply, Edwards, Fernant, Birmingham, Bucks.

LIGHT Retail Business in suburbs about 10 miles out; returns about £600; fullest investigation and purchaser. Address, A. J. B., "Laveno," Abchurch Lane, E.C.

SMALL Retail and Prescribing Business for Disposal, in London; established 1830; returns over £5 weekly; very profitable trade; could be easily increased; rent £35, half let off; price of stock, lamp, &c., about £40; fixtures belong to landlord; good house, side entrance. Stamped address for particulars, "Retail" (272/10), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO Chemists, Druggists, Tea Dealers, and Grocers. For Disposal, owner retiring, an old-established and lucrative Business, situated in the centre of a market town in a Northern county; two shops communicating; large and commodious premises, stores, stabling, &c.; lease, with option of purchase. Apply, M.P.S., Messrs. Travers & Sons, 119 Cannon Street, E.C.

TO Wholesale Druggists—To be Disposed of, an old-established Business in the Province, having a good connection with Retail Chemists, Educational Laboratories, Hospitals, and Dispensaries; to a gentleman with capital the present opportunity affords an opening for an extensive business. For further particulars, apply by letter only, to F. C. O., c/o Mr. Robert Watson, Advertising Contractor, 160 Fleet Street, London, E.C.

£200. London, W.; main road; Retail and Prescribing Business; returns £9 weekly under management; under energetic principal would do £20; good house; stock and fixtures worth £250; a bargain at £200; must be sold. "West," 271/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£625 will purchase a good-class Genuine Retail, Dispensing, and Prescribing Business, situated in good market town, and returning £695, increasing with profitable Proprietary Articles; comfortable house and good garden attached; satisfactory reasons for leaving. Apply, "Pharmacist," Wright, Layman & Unmy, London, E.C.

£300 or Valuation. A Chemist's Business in Derbyshire, surrounded by large population, in a busy thoroughfare; no opposition, nearest Chemist nearly a mile distant; full prices; good shop; two large plate-glass windows in front; fixtures good and substantial; stock in good condition; large dry warehouses and cellars; every accommodation for Wholesale; pleasant situation; main hands nearly half a century; rent £30 per annum; profits on specialties included will pay half the rent. Reference, Mr. Blunt, c/o Blunt & Evans, Chemists, Market Place, Derby.

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

WANTED, a Drug Store for unregistered man, London, main road; house and shop must be well established; returns about £300; full particulars and lowest cash price; principals only, no agents; or would join Partner. Address "Drug Store," c/o Dr. Lilly, 86, Abchurch Lane, Bristol.

WANTED good-class Country Business with good house and garden, and scope for increase, yielding a net profit from £250 to £350 after paying rent, rate, and all business expenses; applicants must give full details and allow strictest investigation, which will be treated with absolute confidence. "Thymol" (264/35), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR SALE.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

SHOPS ON THE CORBETT ESTATES.

THERE are excellent shops nearing completion on the 4 Germans Estate, Brownhill Road, Oxford, and on the Grange Estate, Hford, E.C. 11 minutes from London Bridge, and on the Grange Estate, Hford, E.C. 15 minutes from Liverpool Street, and shops in course of erection on the Downhill Estate, about a mile beyond Hford. The sales on these estates for the last year have exceeded two houses a day, and continue to increase, so that they afford an excellent opening for shopkeepers who wish to avail themselves of the opportunity of forming business in new neighbourhoods. The shops on the Woodhouse Estate have more than doubled in value, the estate being completed, which affords an indication of what is likely to happen with the estate now in progress. The price of 1/9 (one shilling) of the shops is £225, with a ground rent of £12, and £1 0/6 freehold; or they can be let on repairing leases for 7, 14, and 21 years, at an annual rent for the first 7 years of £42; for the second 7 of £43; and for the third 7 of £58; and shops are desired. For further particulars apply to Mr. Robert Pettigrew, 86, Germans Estate Office, Hford Green Lane, Lewisham; Mr. David Boyd, the Grange Estate Office, Hford; or Mr. Thomas Donald, Woodhouse Estate Office, Forest Gate, E.

TO LET.

3s. 6d. for 50 words or less ; 6d. for every 10 words beyond.

CHEMISTS.—Fine Shop, and good premises over, to Let in main road, South London; noble mahogany front to suit tenant; splendid opening to good man; rent £50 per annum. Apply at once, 41 St. Margaret's Road, Brockley, S.E.

GOOD Shop and House to Let, most prominent position in fast-growing town, 18 miles from London; good-class residential neighbourhood; rent £32; a chemist is much needed, and a grand opportunity offered to a smart man. Apply, P. T. Sanders, 53 High Street, Sutton, Surrey.

OPENING.—Chemist can show splendid opening for up-to-date trade; Southern county, near sea; success certain; bonus of £10 required if acted on; reference must accompany inquiry. Mr. Jenkins (269/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SITUATIONS OPEN.

3s. 6d. for 50 words or less ; 6d. for every 10 words beyond.

RETAIL.

ABERTILLERY (Mon.)—Wanted, qualified Manager for small Branch; Mixed business; abstainer; Welshman preferred. Apply, with full particulars as to salary, age, &c., to Prichard, Chemist, Abertillery.

BATH.—In good-class Dispensing and Cash Retail, an Assistant, about 25; outdoors; hours easy. Apply to the Bath Drug Company, 11 Abbey Churchyard, Bath.

BARNSTABLE.—A competent, trustworthy, energetic Assistant (unmarried), of good address, for a good-class country town business; outdoors, but dinner and tea in the house; hours moderate, no Sunday duty, off Bank holidays and alternate Wednesdays at 4 p.m. Apply, stating age, height, and salary (photo essential), Samuel Gass, Pharmaceutical Chemist, Barnstable.

BEVERLEY.—Junior (indoors), in good Family and Agricultural Business. Send photo and full particulars to Charles Hobson & Son, Beverley.

Bournemouth (near).—Immediately, an Assistant, about 25 years of age, to take charge of branch; must be thoroughly reliable, a good Prescriber and Extractor of teeth. Apply, with full particulars as to experience, salary required, height, &c. (enclose photo, to be returned) to Morris, Chemist, Branksome, Bournemouth.

BIRMINGHAM AND WALSALL.—Qualified Assistants of good experience and address. State terms (outdoors) and usual particulars, with photo, to C. Bayley, Chemist, Walsall.

BIRMINGHAM.—Junior required for about October 12. Apply, stating age, height, salary, &c., with photo, to E. Spurway, 403 Stratford Road, Birmingham.

CARDIFF.—Wanted, an Assistant, age 22 to 24, with experience in a Dispensing business. Please give full particulars to D. Harries, 102 Queen Street, Cardiff.

CHELMSFORD.—Good Junior wanted as temporary to fill holiday vacancy in Agricultural business; good Dispenser; qualified; Senior kept. Address, with full particulars, to James Tomlinson, Chelmsford, Essex.

CHESTERFIELD.—Wanted, at once, a young man capable of managing a Country Branch (Mixed Light Retail); good Salesman indispensable; one able to do Extracting and Prescribing preferred. Apply, with references, age, salary required, to Anderson, Chemist, Chesterfield.

COVENTRY.—Junior or Improver, at once; indoors; two kept; Light Retail and Dispensing business. Please send usual particulars to G. W. Jelley, Chemist, Coventry.

CROUCH END.—Wanted, at an early date, a smart qualified Assistant, aged about 26; comfortable home; easy hours. Apply personally, to Mitchell Parker, Crouch End, London, N.

DOVER.—Wanted, at once, a Junior Assistant, single (outdoors), in a Light Retail business; must be active and industrious, capable of taking charge. Apply, stating age, height, references, salary required, and photo (to be returned), to Stevens, Chemist, Dover.

DURBAN, NATAL.—Assistant wanted, qualified by examination; quick and accurate Dispenser; salary £150, £165 and £180 per annum; room supplied but not board; 3 years' agreement to be signed; second-class passage paid. Apply, stating full particulars, to E. M. D., c/o John Murdoch & Co., 52 Leadenhall Street, E.C.

EXMOUTH.—Wanted, immediately, a qualified Assistant for Branch; steady, obliging, energetic, and of good address; abstainer. Apply, stating age, salary required, and full particulars, giving references, to John R. C. Stephens, Chemist, Exmouth.

FOLKESTONE.—Wanted, a good Junior Assistant (indoors) in a light Retail and Dispensing business; must be active and industrious, capable of taking charge occasionally. Apply, stating age, height, reference, salary required, when disengaged, with photo (to be returned), to John Lea, Chemist, Folkestone.

GRAVESEND.—Wanted, smart Junior, immediately, for good-class Retail and Photographic trade; knowledge of Photography preferred, but not essential; outdoor. Full particulars, stating age, salary required, references, &c., to W. Batchelor, 152 Milton Road, Gravesend.

HULL.—Wanted, qualified indoor Assistant, about 24, accustomed to first-class Retail and Dispensing business; two kept; short hours. Apply, stating age, height, salary required, and references, to Metcalfe & Son, Pharmacists, Whitefriargate, Hull.

HULL.—Wanted, qualified Chemist as Branch Manager. State salary required, and reference, Hull Drug Co. (Limited), 34 Whitefriargate, Hull.

JOHANNESBURG.—Qualified Assistant wanted, 25 to 23 years of age; salary £16 10s., £17 10s., £18 10s. per month, for first, second, and third year; second-class passage paid; 3 years' agreement to be signed. Apply, stating full particulars, to R. H. M., c/o of John Murdoch & Co., 52 Leadenhall Street, E.C.

LANCASHIRE (North).—At once, Junior Assistant for Drug Store; must be steady, obliging, a smart Counterman, and of good address. State age, height, references, salary required (outdoors), and enclose photo to 270/4, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LIVERPOOL.—Wanted, Junior Assistant (indoor); one just out of his time not objected to; time allowed for study. Apply personally, or send photo with usual particulars to Henry Peet, Chemist, Mount Pleasant, Liverpool.

LIVERPOOL.—Wanted, an Assistant; age about 23; for Light Retail, Dispensing, and Prescribing business (indoors). Apply, stating salary and previous experience, to "Phenol," 19 New-ham Drive, Liverpool.

LANDUDNO.—Wanted, a qualified Assistant. Apply, J. Burton, Chemist, Llandudno.

LONDON, N.W.—Junior, about 19 or 20, at once; indoors; abstainer; hours 8 till 10, and alternate Sunday evenings; at liberty Thursday afternoon and evening; salary £30. Apply personally, or enclose carte with usual particulars, to Mr. Taplin, 91 Hampstead Road, London, N.W. One only kept.

LONDON, S.W.—Immediately, a competent Junior Assistant; qualified preferred. Apply, stating salary and usual particulars, to J. Selley, 142 Earl's Court Road, South Kensington.

LONDON.—A Junior Assistant required by October 23; one who has just completed his apprenticeship not objected to. Enclose carte and state salary, &c.; applications not answered in three days declined. H. J. Broad, 82 Church Street, Stoke Newington, London, N.

LONDON, W.—A West-End Medical Man, in General practice, and holding public appointments, requires a Licensed Dispenser; preference given to a young man commencing the study of medicine, to whom board, lodging, advice in his studies, and a small honorarium would be given in exchange for services; ample time for study; near several hospitals. Address, "Doctor" (266/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON, N.—Wanted, a Junior; good Dispenser; good references. State salary, &c., if possible enclose carte (to be returned), J. Basdon Smith, Ph.C., 51 Holloway Road, London, N.

LONDON (suburb).—Wanted, at once, a thoroughly reliable qualified Manager for a small Business (starting) in London suburb; good references required; salary £2 a week; outdoor to begin with; suitable board and lodging, cost £1 5s. a week. Apply, by letter only, to Z, Express Office, Romford, Essex.

LONDON, S.W.—Wanted, by October 4, an active, energetic Assistant; must be accustomed to Dispensing and good writer; indoors. Apply, stating all particulars and photo (to be returned), to F. Wilde, 100 Brompton Road, London, S.W.

LONDON, W.—S. F. Goss (Limited) have vacancy for Assistant for front counter; must be a gentleman of good appearance, be well recommended, and be a first-rate Salesman. Apply, personally, to Mr. Goss, before 11 o'clock daily, 460 Oxford Street.

LONDON.—Wanted, immediately, a smart Junior; qualification not essential; well up in Dispensing; good-class family trade; indoors. Full particulars, enclosing photo, salary, &c., to "Chemist," 1 Baron's Court Road, West Kensington.

LONDON, N.W.—Qualified Assistant, single, indoors, accustomed to good-class trade. Apply by letter, stating age, height, salary, references, and when disengaged, also enclose photo if convenient, Williams, 104 Stanhope Street, Hampstead Road, N.W.

LONDON, W.—Immediately, aged about 24, well up in Dispensing; indoors. Usual particulars to Moore & Co., 45 Craven Road, Hyde Park, W.

LONDON, W.—Qualified Assistant, with good Dispensing experience, for quick Cash business, where three are kept; short hours; personal application preferred (before 11). If by letter full particulars, experience, age, height, &c., Bruce, Broadway, Ealing, W.

LONDON, N.—Part-time qualified Assistant wanted. Apply, Harcombe Cuff, The Pharmacy, New Southgate, N.

LONDON, S.W.—Wanted, qualified Assistant; outdoors. Apply, stating age, salary, and references, to 272/4, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LYME REGIS (Dorset).—Wanted, Junior Assistant; indoors; age about 21; work Light Retail and Dispensing. Apply, stating age, height, salary, when disengaged, and photo (to be returned), also references, to G. Henley, Chemist, Lyme Regis, Dorset.

MACCLESFIELD.—Wanted, immediately, qualified Branch Manager with experience in quick Retail trade; good opening for energetic young man; no Sunday duty, full half-holiday weekly. State particulars of age, salary required (outdoors), and experience, also send photo if possible, to Jesse Boot, Island Street, Nottingham.

RETAIL—continued.

MALTA.—Required, early in September, a qualified Assistant, used to good-class Dispensing; must be steady and willing and, if possible, possess some knowledge of Photography; aged about 24; salary £9 month, first year; £9 10s. second; £10, third year; sleeping accommodation provided, but no board; second-class passage paid out and back, conditional; candidates must hold unblemished references. Address, "Malta," c/o Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

MANCHESTER.—Wanted, in Manchester district, active Junior (outdoors), about 20, for pushing Retail business; must be quick and reliable, a good Counterman, and accustomed to the sale of Photographic requisites. Address, stating age, experience, references, and salary required. 264/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANCHESTER district.—For good-class Retail and Dispensing Business; indoors: a capable qualified Assistant, with good address, of quiet and industrious business habits; references must be undeniable. State age and experience, with usual particulars, photo (to be returned), to "Album," c/o 41 Blackfriars Street, Manchester.

MANCHESTER.—Qualified Assistant, age about 25, at once. Please state height, experience, salary required (outdoors), enclose photo. Address, Jeans, Pendleton, Manchester.

OXFORD.—Qualified Assistant wanted for Dispensing; outdoors; no Sunday duty. State salary, references, age, experience, &c., and send photo, to Managing Director, Oxford Drug Company (Limited), Chemists, Oxford.

RIPLEY.—Junior or Improver, at once; indoors: Mixed trade. Full particulars to Heaton, Ripley, Derbyshire.

ROMFORD.—Improver or Turnover; gentlemanly youth, passed Preliminary, abstainer and student preferred, wanted by Lasham, Romford. Please enclose photo (to be returned).

ROTHERHAM.—Smart Assistant wanted for new Branch, not over 28; would prefer indoor; good prescriber; one with knowledge of Store trade; a steady man, abstainer, &c., will receive preference. Apply, stating salary and giving references, with photo if possible, to Bingham, Chemist, Masboro', Rotherham.

SOUTHPORT.—Qualified man to take charge of Branch at Southport. Address, full particulars as to salary, experience, and references, to MacSymon's Stores (Limited), Deane Street, Liverpool.

SHEFFIELD.—Wanted at once, Assistant, aged 18 to 25, for small working-class Light Retail; must be good Prescriber and Tooth-extractor; able to take sole charge; thoroughly trustworthy and steady; half-holiday; time for study. State two last references, age, height, experience, and salary, photo, Jepson, Chemist, Rockingham Street, Sheffield.

UPTON-ON-SEVERN.—Turnover or Improver in Light Country business; small salary given, and time for study and recreation; one used to country trade preferred. Enclose photo and state age, experience, reference, and salary required, Gibbs, Upton-on-Severn, Worcester.

WEST-END Store Chemist requires at once an obliging Junior, accustomed to Dispensing, Counter, and Stock; aged about 20; good salary to suitable Assistant. Applicants must state age, salary required, particulars of class of trade accustomed to, and enclose references and photo, J. Ockenden, Chemist, Moorfields, E.C.

WOLVERHAMPTON.—Junior, active, well up in his work; also qualified Man to manage Branch. Apply, enclosing photo, with full particulars to F. A. Wilcock, 71 Victoria Street, Wolverhampton.

WOTTON-UNDER-EDGE.—At once, active, obliging, and trustworthy Junior Assistant or Improver wanted (indoors), about 20, for Light Retail and Dispensing; easy hours, half-day weekly. References, photo, and all full particulars to E. G. Portlock & Sons, Wotton-under-Edge.

WORCESTER.—Outdoor Assistant for the Retail Counter. Apply, with photo, stating age, height, and experience, to E. J. Kitson, The City Drug Stores, Worcester.

AS Second Assistant; indoors; qualified, of gentlemanly appearance, good address, and accustomed to good-class Dispensing business. Apply personally, or if by letter with carte, full particulars and salary required, to Edward C. Perks, 1 Sloane Square, London, S.W.

BUTLER BROS., Chemists, Booksellers, High Wycombe, require shortly the services of a young man (indoors); must have some experience of a good country trade, and be willing to assist in all branches of the business; comfortable home and small progressive salary; state experience and salary required.

DISPENSER (outdoor) wanted by Surgeon in S.E. suburbs; terms 1 guinea weekly; time for reading; state age. Address, 265/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

HICKS & CO. (LIMITED), require a smart Junior Assistant for their Barry Dock branch. Apply, stating age, height, salary (outdoors), references, and enclose carte, to Hicks & Co. (Limited), Cardiff.

IMMEDIATELY, qualified Assistant, about 24, indoors. Apply, with full particulars and photo, to "Ph.C.," c/o Mr. S. W. Ord, Pharmaceutical Chemist, 3 Hanover Street, Regent Street, W.

JUNIOR; qualified; salary 42s. per week (outdoor). Apply, stating age, height, references, and enclose photo, Wand, Chemist, Haymarket, Leicester.

MESSRS. DUNNILL & PATER, Chemists, Broomhill, Sheffield, require a good Junior Assistant, about 21. State full particulars, salary, references, &c., and enclose photo.

MANAGER with view to Partnership, wanted in an old-established good-class Country business; rare opportunity for a good all-round man, about 30 years, accustomed to Agricultural trade and Teeth-extracting. Write to B. (223/35), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.; applications not answered in 7 days may be considered as declined.

MANAGER; qualified; must have good knowledge of Agricultural and Store trade; energetic and obliging essential. State age, height, when disengaged, if extractor, references and photo, salary required, to Ford, c/o Mr. Pearson, 4 Alexandra Street, Lonsborough Street, Hull.

PARKE'S DRUG STORES, LIMITED, require 2 qualified Assistants: good prospects of management. Apply personally, or by letter, at 151 High Street, Kensington, W.

PART-TIME Assistant wanted for Light Retail and Dispensing; West End; outdoors. Apply, "Coca," c/o Messrs. Evans & Co, 60 Bartholomew Close, E.C.

QUALIFIED Chemist wanted for Drug and Household Stores in South-coast town; one having an experience of pushing trade required; salary and good commission. Apply, "Swallow" (268/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SMART Junior, active and good Counterman, for Country Retail and Dispensing; must be steady and obliging. Enclose photo, stating age, height, salary, and references, to John Gilling, Pharmaceutical Chemist, Saffron Walden.

UNQUALIFIED Assistant, not over 35, wanted for a quick Cash Store; must be smart, and references bear investigation. State age, salary, and send photo if possible, to "Flour," c/o Messrs. Baiss Brothers, 4 Jewry Street, London, E.C.

WANTED, a smart Manager (qualified) for neglected Branch, or with view to succession; modern style of business. State full particulars, terms, &c., to E. A. T., c/o Butler & Crispe, 812 Clerkenwell Road.

WANTED immediately, a Junior Assistant, outdoors, about 20 or 22 years of age, who has been accustomed to Dispensing, and is a good Counterman. State age, salary required, and references to Lofthouse & Saltner, Market Place, Hull.

WHOLESALE.

U.S. AMERICA.—Wanted, a competent Analytical Chemist and general Factory Manager, to take charge of a Chemical and Fertiliser Works in central New York State, U.S.A. The business and brands, dating from 1879, are well established, and have the endorsement of the New York State Agricultural Experiment Station and of the Master of all the Granges of the entire State. At least \$25,000 (£5,000) is required as an investment by any applicant for the place, on which 6 per cent. per annum will be guaranteed. The applicant, if acceptable, may become a stockholder in the company. Satisfactory references required. Apply, by letter or in person, to Wm. S. Andrews, Esq. of Messrs. Knapp, Nottingham & Andrews, Counsellors-at-Law, Granger Block, Syracuse, N.Y., U.S.A.

A FIRM of Manufacturing Chemists require the services of a young and energetic man as London Representative; one with a connection amongst the Medical profession preferred. Applications, with full particulars as to connection, experience, and salary asked, to "London" (221/13), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

GIRL PACKERS.—Required, by a London firm of Wholesale Pharmacists, one or two experienced Girls as Packers and Labellers; good wages to first-class hands. Apply by letter, in own handwriting, to 221/63, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PILL-COATER required by Provincial Drug House; applicants should send samples of work, and state whether used to Machinery; also references, salary required, and when disengaged. Apply, "Pills" (266/31), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

REPRESENTATIVE, with good connections, wanted by a German firm of Chemical Glassware and Thermometers. Applications to 267/12, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WORKMAN required in Laboratory; aged about 20; must have had experience in the manufacture of Pharmaceutical Preparations. Write full particulars to M. (220/61), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a competent, well-trained Pharmacist, with first-class qualifications and good organising experience and abilities, to take charge of a department in a large manufacturing firm. Write full particulars of age, qualifications, experience, and salary required, to "Morphine," c/o T. Dixon's Advertising Offices, 16 Great Marlborough Street, W.

WHOLESALE.—Wanted, a Junior Assistant, for the Dry Counter (Surgeons' Wholesale); must have had good experience. Reply by letter, stating previous engagements, age, and salary required, to "Home" (223/7), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.—Chemical and Pharmaceutical Laboratories.—Wanted, experienced Workman, well up in the Manufacture of Pharmacopoeia Chemicals, Drugs, and other Chemical Preparations. Apply, with full particulars, to P. Harris & Co. (Limited), Edmund Street, Birmingham.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

ASSISTANT; qualified; 24. Tinsley, Mersey Road, Widnes.

ASSISTANT; 23 years; 5 ft. 11 in.; disengaged. H. W., 6 Prospect Row, Cambridge.

QUALIFIED; 26; good experience; in or out doors. "Salol," 29 High Street, Windsor.

ASSISTANT; Manchester experience; Major; 22; tall. H. Roberts, Ashley Road, Bowdon.

SITUATIONS WANTED—cont.

RETAIL—continued.

- L**OCUM; qualified; abstainer; good references. H. Boden, e/o Hornblow, Chemist, Watchet.
- A**SSISTANT; tall; 23; unqualified; 5 years' experience. Wood, Marine Cottage, Ventnor.
- D**ISPENSER or Locum (Surgeon's); experienced; good references. 14 Coborn Road, Bow, E.
- A**SSISTANT; aged 27; outdoors; disengaged September 30. Wilson, 124 High Street, Tonbridge.
- Q**UALIFIED; disengaged October 5; tall; aged 26. Smith, 8 Victoria Parade, Felixstowe.
- J**UNIOR; good experience; Wholesale or outdoors preferred. "Salol," 88 Mexfield Road, East Putney.
- A**S Dispenser to Surgeon; aged 28; 12 years' experience; unqualified. W. B., 157 Mayall Road, Brixton.
- A**SSISTANT; 10 years' experience, town and country; disengaged. Samways, East Street, Dorechester.
- A**SSISTANT or Dispenser; disengaged; unqualified; aged 28. Davies, 17 Acton Lane, Willesden.
- J**UNIOR; 21; 4 years' experience; Photography; disengaged. Hodson, Crown Pharmacy, Romford, Essex.
- D**ISPENSER to Surgeon or Chemist, near Brixton, Keenington. Blockley, Conduit Street, Leicester.
- P**ART-TIME situation with Doctor or Chemist; good experience. Chapman, 61 Beulah Road, Walthamstow.
- L**OCUM-TENENS; qualified; 52; disengaged October 4. Jones (Llanelly), Mr. Toone, Chemist, Exmouth.
- B**IRMINGHAM.—Qualified; first-class experience; Retail or Dispensing. 7 Sherwood Road, Smethwick.
- A**SSISTANT; aged nearly 21; height 5 ft. 8 in.; 6 years' good experience. Simpson, 116 Walton Street, Oxford.
- J**UNIOR; 20; disengaged; 3 years' good experience, London. Rees, 6 Wakefield Street, Judd Street, King's Cross.
- J**UNIOR; 20; 5 ft. 9 in.; disengaged 16th October; excellent references. Benson, 94 Tontine Street, Folkestone.
- M**ANCHESTER; Junior or Doctor's Dispenser; good experience. "Pharmacist," 143 Blackfriars Road, Salford.
- E**NGAGEMENT for evenings required by Minor student; age 22; London only. T. W. Boxall, Osham, Hants.
- A**SSISTANT; 26; competent Dispenser, Counterman; disengaged. "Statin," 66 Waterloo Street, Market Rasen.
- Q**UALIFIED; 25; part-time; studying for medical; good experience. T., 84 Barkham Terrace, Lamethi Road.
- A**SSISTANT; qualified; 23; outdoors; Photographie knowledge; references. Halstead, 52 Nevill Street, Southport.
- M**ANCHESTER; outdoors; Junior; 21; time for evening classes; references. "Mel," 101 Meadow Street, Sheffield.
- L**ONDON.—Qualified Dispenser (24) is open for engagement; London Store experience. 53 Rattray Road, Brixton, S.W.
- E**VENING work by an experienced Assistant; take charge or stock. "Chemist," 15 Kentish Town Road, London, N.W.
- A**SSISTANT; permanency; Leeds or district; Veterinary, Extractor. H. R. Smith, 7 Soubear Avenue, Beeston Hill, Leeds.
- E**VENING employment or few hours weekly; qualified; 24 years. "Alpha," 22 Bonchurch Road, Ladbroke Grove, W.
- A**S Improver, with Chemist and Dentist, where plenty is to be learnt in Mechanical Dentistry. Acacia Leigh, Cobham, Surrey.
- Q**UALIFIED; 24; high-class West-end experience; abstainer; highest references. Green, 30 Harhour Street, Ramsgate.
- W**ANTED, situation as Junior in good-class Dispensing business. Apply, R. E. Pearce, 1 Lehenver Villas, Newquay, Cornwall.
- A**SSISTANT; 24; 6 years' first-class Store experience; London Stores preferred. J. W., 4 Brindley Street, Harrow Road, W.
- M**ANAGER (Branch) or Assistant; Extractor; 45; qualified; married. "Chemicus," 43 Leamington Terrace, Tong Road, Leeds.
- A**NALYTICAL Chemist, Ph.D., seeks engagement; thorough knowledge of German, good French. "Analyst," 28 Ladbroke Square, W.
- L**ONDON.—Part-time with Chemist or Surgeon; aged 23; abstainer; London experience; outdoors preferred. Burnell, Appledore, Devon.
- L**ONDON; outdoors; unqualified; Scotsman; good Dispenser and Counterman; disengaged October 1. "Scotus," 90 Wyndham Road, Cardiff.
- D**ISPENSER, Manager, or responsible berth in Wholesale; thoroughly reliable. "Locum," 3 Clifton Grove, South Road, Evelington, Birmingham.
- M**ANAGER of Branch, or Assistant; aged 32; good experience, and Extractor. "Statin," 117 Rushton Street, Breck Road, Everton, Liverpool.

- D**ISPENSER to Doctor; disengaged; aged 29. Roger, 17 Strickland Street, St. John's, S.E.
- L**OCUM; Minor; disengaged; 23; tall; easy terms. Sidney Fernieu, Temperance Hotel, Yeovil.
- P**ART-TIME; London; indoors; good references; 23; disengaged. Lenton, Clifton, Biggleswade.
- L**OCUM-TENENS; Major; whole or part time. Goodwin, e/o Mr. Orange, Chemist, Aldershot.
- L**OCUM or Branch; disengaged; experienced; good references. "Chemist," 32 Laurel Grove, Penze.
- L**OCUM; disengaged; aged 29; Extractor and Prescriber. "Ex-tractor," 2 Horton Street, Lewis'ham.
- L**OCUM; Minor; abstemious and reliable; disengaged October 6; aged 28. E. S., 8 Square, Chesham, Bucks.
- A**SSISTANT; 22; unqualified; good references; time for study or attending classes; London preferred. Monkman, Empress Hotel, Harrogate.
- M**ANAGER or Senior; qualified; tall; 28; Photography; good appearance and address; highest references. W. H., 13 Regent Street, Cambridge.
- A**SSISTANT, competent (38); Branch or single-handed; pushing counterman; good Prescriber; abstainer; unqualified. "60," St. Andrew's, Uxbridge.
- D**ISPENSER and Bookkeeper to Surgeon; quick, accurate, experienced; good references; married; aged 34. T. Woodman, Washington Road, Bridgewater.
- V**IEW to Partnership or succession; all-round experience; 35; single. "Lancashire" (270/24), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- A**S Manager of Branch, or Assistant; middle-aged; disengaged; Registered Dentist; Prescriber, Dispenser. "Theta," 327 London Road, South Lowestoft.
- C**OMPETENT Assistant; good all-round experience and references; aged 27; unqualified; London; outdoors preferred. "Statin," 24 Croulance Road, S.W.
- A**SSISTANT or Manager; 26; qualified; London experience; abstainer; London or Bristol preferred. Salol, Wye Villa, Stafford Road, Weston-super-Mare.
- A**SSISTANT; 22; 5 ft. 10½ in.; Photography; Homoeopathy; good references; abstainer; good all-round experience; outdoors; disengaged. "Statin," Priory Villa, Compton, Plymouth.
- A**S Manager.—A qualified Chemist (married) desires post as above in country. Address, F., (271/15), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- L**OCUM (anywhere) or Dispenser to Doctor, Institution in town; 30; qualified; disengaged. 265 11, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- M**ANAGER (experienced) to executors, widow, Branch, or Dispensary; qualified; aged 28; Prescriber and Extractor; highest references. J. P., 239 Hammersmith Road, W.
- A**SSISTANT; view to early succession in first-class business; can pay cash; Major qualification. "Anthracene" (268/37), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- W**ANTED, good comfortable Managership; Lancashire or Cheshire preferred; experienced; single. "Extractor" (171/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- D**ISPENSER to Surgeon, afternoon and evenings; experienced; Minor qualification; good reference. "Omega" (270/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- J**UNIOR; 21½; West End and high-class Dispensing experience; London or Liverpool preferred; unqualified. "Hazeline" (271/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- M**ANAGER; outdoor; Senior or Locum Tenens; London and Store experience; good Dispenser, Prescriber, and Extractor. (270/2), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- A**S Assistant or Dispenser to Medical man; aged 48; in business 25 years; qualified Chemist and Dentist; London, E.; outdoor preferred; small salary. C. M., 67 Leyton Park Road, Leyton, E.
- J**UNIOR; 20; passed Prelim.; fair Dispenser, good Counterman; terms moderate, with reasonable hours; London or suburbs. Address, 266/5, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- A**SSISTANT; 9 years' experience; accustomed to first-class Retail and Dispensing; well up all round; aged 24; 5 ft. 9 in.; outdoors preferred; excellent references. Charles Lane, Anderson & Virgo, Worcester.
- M**ANAGER, or Assistant; outdoors; qualified; aged 30; 13 years' experience; extractor; height 5 ft. 8 in.; disengaged. "Phenacetin" (265/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.
- P**ART-TIME.—Advertiser desires responsible engagement for evenings and alternate Sunday duty if required, vicinity of Keenington Road; thoroughly experienced; aged 26. Wallace, 117 Panlet Road, Camberwell, S.E.
- F**RANCE, Switzerland, or Italy.—A Pharmaceutical Chemist, thoroughly well up in first-class Dispensing, will be open for engagement about October 1st; London experience. W. J. H., 53 Rattray Road, Brixton, S.W.
- A**DVERTISER, qualified, active, aged 30, seeks responsible permanent position; experience Mixed; good and first-class Retail and Dispensing; Store manager; sound references; up to date. "Chemist," 1 Dover Street, Hull.

AS Dispenser to Doctor; aged 22; would give services to learn duties; disengaged. W. E. Aked, 3 High Street, Halifax.

JUNIOR; 20; 4 years' experience; outdoor; Liverpool preferred; best references. R., 149 Grove Street, Liverpool.

ASSISTANT; good experience and address; outdoors. "Antipyrin," 34 Northway Road, Loughborough Junction, S.E.

ASSISTANT; 23; time for study; good experience; London; disengaged end of month. Barker, Chemist, Hampton, Middlesex.

QUALIFIED (29), outdoors, or Branch Manager, with house. 267 27, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER, or Senior Assistant; 28; qualified; varied experience; tall; disengaged. X. Y. Z., c/o Newbery & Sons, Newgate Street, London, E.C.

JUNIOR; 20; 4½ years' experience; indoors; abstainer; good references; London preferred; disengaged. F. Pym, Stowupland, Stowmarket.

MANAGE Branch; Senior or Locum; qualified; thoroughly experienced. W. A. (272/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT; aged 21; abstainer; highest references; outdoors; 9 years' experience. 271/31, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MEDICAL Student desires Part-time as Dispenser, mornings or evenings; outdoors; experienced; excellent references; abstainer. "Lewis," 4 Hargrave Road, N.

OCTOBER 26.—Unqualified; 7½ years' good experience; outdoors; evening weekly; E.C. preferred. 266/34, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER, with residence; 30; married; Store experience; Photography; unqualified. "Olenm" (272/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

COUNTERMAN or Manager; good-class Retail; 15 years' varied experience; 5 ft. 9 in.; abstainer. "Minor" (270/26), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER; married; 25 years' London and provincial experience; Minor and Hall qualifications; highest reference; Lancashire preferred. "Chemist," Hart Street, Southport.

JUNIOR; 20; tall; good experience; time for study; London preferred. Roberts, 154 High Road, Chiswick, W.

MANAGER (Branch); qualified; good all-round experience; references; trustworthy, business-like, and reliable; town or country. 267/35, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH AFRICA.—Unqualified Assistant, 5 years' experience in a first-class Retail business, seeks situation in South Africa or India, either Wholesale or Retail. Address, 27/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BONUS.—Pharmacy-Partnership (or opening for one) by widower; no encumbrance; good bonus if agreed, &c.; urgent; soiled elastic stockings, armbands, belts, coils, &c.; best references. "Rhei" (251/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

WHOLESALE or Manufactory; 24; 8 years' Retail experience. J. S., 49 Baker Street, Reading.

TRAVELLER for Drugs or Medical Specialities; has good connection in Yorkshire and district. G., 1 Hilary Street, Leeds.

TRAVELLER; 32; tall; good appearance and address; qualified; highest references. "Chemists," 10 Kilburn Priory, Kilburn, N.W.

TRAVELLER; Drugs, Sundries; London; good connection and references; of good appearance and address. "Statium," 29 Ifield Road, S.W.

TRAVELLER; Sundries or Specialty; sound connection, London and country; 10 years' experience. "Crystals," 37 Penton Place, Newington Butts, S.E.

AS Invoice or General Clerk in Wholesale office; shorthand; London experience; aged 28. 272/1, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE Trade.—Advertiser, with Retail experience open to any branch. "Richini" (272/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMIST, having sold business, seeks engagement as Traveller; aged 30; highest references. 272/6, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.—Clerk, aged 28, first-class experience in London and Provincial houses, desires re-engagement; moderate salary. "Invoice," 83 Fortune Gate Road, Harlesden, N.W.

AS Invoice, &c., in Wholesale house; 6 years' experience and knowledge of Surgical Instruments. Leonard (267/33), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

IRELAND.—Traveller, representing leading London firm of Chemists is anxious to obtain a second house who would pay part salary and expenses. "Chemists," 26 Stephen's Green, N. Dublin

PHARMACEUTICAL Chemist, aged 27, desires permanency; experience, first-class London and Provincial Retail and Dispensing, Wholesale manufacture of Compressed Drugs. "Tablets," 29 Alderney Street, W.C.

SURGICAL Instruments or Manufacturing Chemists and Druggists.—Advertiser requires situation in above; aged 26; thoroughly experienced. 267/34, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, with good connection amongst Chemists and Medical profession in Liverpool, Cheshire, and Staffordshire, seeks re-engagement; first class references; guarantee bond if necessary. H., 156 High Park Street, Liverpool.

TRAVELLER to Druggist, or similar post; qualified medical man (M.R.C.S., Eng.); 26; has done Assistant and Locum work; disengaged in October; references, including present employer. Address, D., 1 Offord Terrace, Offord Road, N.

TRAVELLER, with good connection amongst Chemists in the Northern district, seeks re-engagement in Drugs, Sundries, or Specialties; thoroughly steady and well recommended. T. W. Harlwork, c/o Bagshaw, 12½ Hill Street, Southport.

LADY CLERK.—Wanted, a situation by a young girl; aged 20; 3 years' experience in general office work; ordinary special shorthand and typewriting; salary 21s. per week. Write, A. L., Box 245, Smith's Advertising Agency, 132 Fleet Street, E.C.

GENTLEMAN of ability and integrity, qualified, having thorough knowledge of all branches of the Drug-trade, wholesale and retail, manufacturing and foreign, desires position of importance and trust in first-class progressive house; home or abroad. 264/38, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A CHEMIST at present in business, but desirous to get outdoors, would like to Represent Wholesale house (Wales, or Wales and West of England); advertiser (aged 31) well known to many London houses; replies treated in strictest confidence. "Retailer" (271/32), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

WANTED, established Proprietary regularly prescribed; sales about £1,000 or £2,000 yearly. Apply, Box 215, Sell's Advertising Offices, London.

WE have an offer to make to Chemists opening or having opened new Branches. We are desirous of advertising in that List or Almanac of yours, Daisy (Limited), Leeds.

WANTED, Buyers for a few tons of Pure English Filtered Cod-liver Oil; will sell small or large quantities. Address, Isaac Spencer & Co., Cod-liver Oil Extractors and Refiners, Hull.

RELIABLE Agents wanted everywhere for the sale of Tins, Capsular Tubes, Cans, &c.; cheapest and best in the market. Address full particulars to United Tin Box Manufacturing Co., 88 Chiswell Street, London, E.C.

NOTICE TO EXPORT HOUSES.—Required, Price-lists with lowest quotations and samples of Essential Oils for Cologne, Soaps, &c. Bottles of every description, Sprinklers, Perfumes, and also of Patent Medicines, to the address of Frauji P. Ghandhi, Joama Masjid, Bombay.

TO be Sold, a large assortment of Chemist's Fittings, new and second-hand, comprising Wall-cases, Counter-cases, Ranges of Drawers, Counters, Window Enclosures, &c.; shops fitted in all parts of the country; write for testimonials. E. W. Edwards, Medical Fitter, Scotland Place, Liverpool.

STARTLING Novelty.—Wanted, a smart hustling Commission Agent (American preferred), or one Chemist in a town, to introduce "Paradox" Rat Charmer; tame live mice and rats of different colours lent on loan; also a unique Window Display; a bigger and more paying advertisement has never been offered to Chemists. Apply, Paradox Pharmacy, Oldham.

CHEMISTS' Shop-fittings.—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

CHEMISTS' Shop Fittings.—Entire fittings, comprising 12-ft. run of mahogany-fronted drawers, with glass labels and glass knobs; 12-ft. mahogany and plate-glass fronted counter; 6-ft. dispensing-screen, mirror centre; perfume-case and desk; bent-glass counter-case; 6-ft. mahogany and glass wall-case; £48 10s. the lot, in first-class condition, and ready for immediate delivery. Philip Josephs, 54 Old Street, Goswell Road, London, E.C.

NOTE.—Business entirely Closed Monday and Tuesday, September 27 and 28. Re-open as usual Wednesday morning.

WANTED.

CALCIUM Carbide Manufacturer's address, and price per cwt., for Gas-making, &c.; also Salammoniac. B. & Co., Chalfont, Oxfordshire.

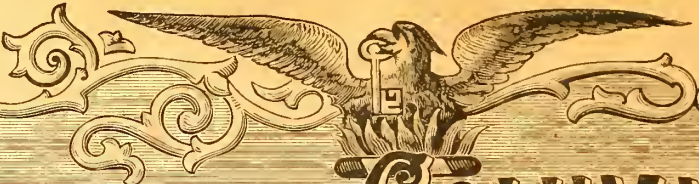
CUCUMBER AND GLYCERINE.

ROUSE'S Cucumber Paste is the best for preparing Cucumers. Emulsion. Formulae and labels free with each jar; ½ lb. (for 3 lbs. emulsion). 2s. 3d.; 1 lb., 4s. 3d.; 7 lbs., 25s., post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice how to prepare. Knotty Points in Latin Grammar, 1s. 6d.; Caesar Simplified, 1s.; Metric System Simplified, 1s.; How to Write an Essay, 3d.; Equations Simplified, 1s.; Notes on Dispensing, 1s., post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.



EXCHANGE COLUMN-BARGAINS

TERMS.

DEPOSIT.—The purchaser of anything advertised in the Exchange Column may remit the amount to us, and we only pay the money deposited on advice from the remitter. We charge a commission of 6d. on any transaction of £3 or less, or 1s. if above that amount, which is payable by the purchaser.

Limited to the Advertisements of Surplus Stock, Shop Fittings, Apparatus, Photographic Goods, Books and Periodicals, Formulae, Addresses Wanted, and Articles Wanted.

2d. per word with name and address. **1d.** per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

APPARATUS.

Gas-engine for generating steam and small power; also 3 steam-jacketed pans. BUTCHER & SON, Blackheath, S.E.

Set of Tome's tooth-forceps, 15 pairs, circular joint, in pouch, strap and buckle, Maw's fig. 175, never used, cost £4 17s.; offers wanted. BRADSHAW, Chemist, Tickhill.

BOOKS AND PERIODICALS.

Parke's "Chemical Catechism," 1s. 3d.; others cheap. JUDD, 15 Miller Street, L.B., Manchester.

Attfield's "Chemistry," 10s.; "Art of Dispensing," "Veterinary Counter Practice," 2s. 6d. each. GUY, 9 Willow Bank, Beeston, Notts.

Clearance line.—About 300 back numbers *Chemist and Druggist* and *British and Colonial Druggist*; also about 20 years' Diaries; what offers? M. WALKER, 11 Fentiman Road, S.W.

DRUGS AND CHEMICALS.

4 lb. saccharin, 1: 550; 45s. per lb., cash; carriage paid. PARKER, Chemist, Morecambe.

Poppy-heads for Sale (50,000); large, medium, small. W. B. HARRIS, Sleaford, Lincs.

FORMULÆ.

Book of 130 well-tried recipes for chemists; general, remedial, veterinary, toilet; post free, 1s. 6d. TULLY, Chemist, Hastings.

SHOP FITTINGS.

Show-jars, pair Maw's, patters 1 and 20, 24-in., complete, cost £9 9s.; offers. BAKER, 215 Lewisham High Road, S.E.

MISCELLANEOUS.

Minor, how to pass, cheaply; special leaflet for Colonials. LAWS, Chemist, Streatham, S.W.

On Sale, *Materia Medica* specimens, cheap; good condition. Apply, PIGGIN, Biddulph, Congleton.

Dental show sets, complete uppers or lowers, 5s. each. "DENTIST," 12 Glasshouse Street, Piccadilly, London.

Overstocked.—Homœopathic pills and tinctures, Daisy, bridged nail-brushes; offers. 271/12, Office of the *C. & D.*

Surplus 8 and 16 oz. folding carton cases, very cheap; samples 2d., post free. Address, 29 Eastbourne Road West, Birkdale.

Soda-water Trolley; a boy of eight can easily convey 3 dozen syphons and cases any distance; 35s., carriage paid. ARTHUR & Co., Cambridge.

Microscope, by Crouch, 1-in. and 1½-in. objectives, &c., in box; £5 or offer; may be seen. "MICRO," Chemists' Club, Stonecutter Street, London, E.C.

Two 12-gall. carboys, with standards from floor; 2 pill-machines, 12 and 24; cork-presser; No. 3, 4, and 10 mortars and pestles; window-stand of 3 glass shelves from 36 in. 271/7, Office of the *C. & D.*

For Sale; must be sold at once; handsome bent-glass case, 3 ft. 1 in. long, with division for serving, as Maw's, fig. 7; very handsome specie-jar; ointment-jars; black stock-bottles; Day's Oil of the Night. F. W. DOUBLEDAY (Limited), Store Chemists, Dorking.

Private Library and Laboratory, containing chemical, medical, surgical, veterinary works; Minor lectures; *Pharmaceutical, Chemist and Druggist, Chemical Society's Journals*; analytical apparatus. Apply, "BOOKS," 121 Broomwood Road, Wandsworth Common.

PROPRIETARY ARTICLES.

Two 21-oz. ol. menth. pip. Hotch, 17s.; 2 1-lb. chlorof. pur., D. F. & Co., 9s.; 1 1-oz. Morson's pepsine, 2s. 3d.; 2 1-oz. do. porol, 12s.; 3 large Carlsbad Sprudel salts, 9s.; 2 doz. 1s. Brandreth's v. pills, unstamped, 13s. 6d.; 6 1-oz. lactopeptine, dispensing, 15s.; 12 oz. argt. nit. fus., Johnson's, 20s. 270/40, Office of the *C. & D.*

2s. 9d. Liebig's chemical food, 2s. 9d. Rosinweed tar-mixture, 2s. 9d. Hall's chlorate potash, 2s. 9d. Beatson's ringworm-lotion, 1s. 9d. Ford's horse-hound, 1s. 1½d. honey, 2s. 6d. Beetham's capillary fluid, 2s. 9d. Oxley's ginger, 3 2s. and 1s. 1½d. Gondron's asthma-cure and pastilles, 5 1s. 1½d. Morrison's pills, 4 1s. 1½d. Clarke's miraculous salve, 2 1s. 1½d. Simco's linseed, 4 1s. 1½d. no name ointment; reasonable offer accepted. GRATTON, Chemist, Rhyl.

One each Kalydor 4s. 6d., Odonio 2s. 9d., Magnolia balm 3s. 6d., Zylbalsamum 3s. 6d., Tikeel 2s. 6d., Lloyd's food 1s., Ferguson's balm 1s., Fenning's adult powders 1s. 1½d., Baxter's lung preserver 1s. 1½d., American sugar-coated pills 1s. 1½d., World's pills 1s. 1½d., Nubian blacking 1s., Lambert's balsam 1s. 1½d.; two each Macassar oil 3s. 6d., Pepper's cough mixture 1s. 1½d., Hall's lung restorer 1s. 1½d., Roper's plasters 1s. 1½d., Möller's oil 2s., Owbridge's atoms 2s. 9d., Femine's stomach strengtheners 1s. 1½d.; three each Cocker's pills 1s. 1½d., Electica 1s. 1½d., Pond's extract 1s. 1½d.; all at half-face price. HENZELL, Chemist, Newcastle.

WANTED.

Green's "Botany," vols i. and ii.; state price, latest edition. WOOTTON, Luton.

Set tooth-forceps, good condition; state particulars. NOBLE, Chemist, Bonnyrigg.

Secondhand counter-cases. Lowest prices to CARPENTER, Burnham, Somerset.

Will's "Elements of Pharmacy"; latest. State price, "MONTY," 340 Harrow Road, W.

Tripoli in powder; large quantities. Importers write to "Tripo" (260/6), Office of the *C. & D.*

Check-till, with coin-exhibitor; O'Brien's or other make. WALKER, West Kirby, Liverpool.

Books for Minor; send list and prices post free. SMITH, 53 Dolobran Road, Sparkbrook, Birmingham.

Newth's "Inorganic Chemistry," Edmond's "Botany"; latest editions. C., c/o Bell, Chemist, Ambleside.

Recipe for making phosphorus paste, state price. E. Masters, 21 Upper Fenton Street, Commercial Road, E.

"Codex Français," exchange Squire's "Companion," latest edition. LITCHFIELD, Faruboro' Road, Hants.

Plate-glass toothbrush case, for counter. Send size, sketch, and price, CULLWICK, Chemist, Wolverhampton.

Copper still, tinned inside, capacity about 6 gallons. Send particulars to PITTS & SNOWDON, Wholesale Chemists, Newcastle on Tyne.

Shop-fittings, counters, drawers, shelving, show-cases, window carboys, stock bottles. Full description and lowest price to 56 Houghton Street, Southport.

5-grain pill-machine, swan-necked carboys, cut-glass stoppers, and other useful fittings for new branch. Full particulars to DUCK'S DRUG STORES, Cardiff.

Scales, mortars, shop-rounds, jars, bent-glass counter case, and other fittings for opening; inspection before purchasing; lowest price. "CHEMIST," 28 Wedmore Gardens, Holloway.

ADDRESS WANTED.

Can any Chemist oblige with present address of Frank Jessel? dark, medium height, about 30. cyclist, orders a nux mixture and "Ovale Chamel." ASHFIELD, Chemist, Reading.

TO CHEMISTS!

OUR HOMŒOPATHIC MEDICINES

Have by far the Largest Sale, and leave an exceptionally Large Margin of Profit on Retailing, while our name and reputation, the longest honoured in English Homœopathy, attract the desired custom.

PARCELS ENCLOSED DAILY to any of the London Wholesale Houses.

A HANDSOME AND ATTRACTIVE SHOWCASE IS

"GIVEN TO EVERY AGENT"

With order amounting to £3 3s. and upwards.

OUR
£5

Handsome and Attractive

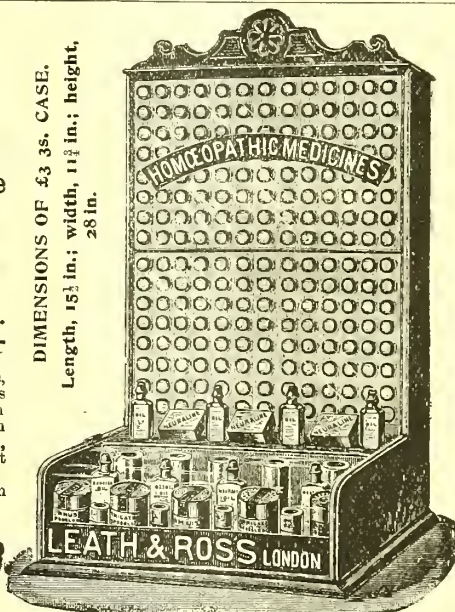
CASE

(OPEN BACK OR FRONT).

This handsome Case stands unrivalled for style, convenience, and beauty, increasing the sales very considerably, and is fitted complete with Tinctures and Pilules (to customers' own selection if required) to the Net value of £5, thus yielding a handsome profit without trouble or inconvenience.

DIMENSIONS—Length, 19½ in.; width (from back to front), 11½ in.; height, 32½ in.

DIMENSIONS OF £3 3s. CASE.
Length, 15½ in.; width, 11½ in.; height, 28 in.



Our TINCTURES,
PILULES,
and CAMPHOR

Are in great demand everywhere, and can be had in any strength from the φ (mother), 1x : 1, and upwards.

1/- Size

3/6 per doz.
Cash.

9d. size, 2/9 „

6d. size, 2/- „

**NO CHARGE WHATEVER
FOR THE CASE.**

Agents' Cases, upright or flat, at £3 3s., £4 4s., £5, £6 6s., £10 10s., and £21. All the Cases can be had in Mahogany, Walnut, or other Fancy Wood to match Shop Fittings, and fitted with 6d. stock, 6d. and 1s. stock, 9d. and 1s. stock, or all 1s. stock, as preferred.

OPINIONS OF THE TRADE.

A. C. K., Feb. 15th, 1897, says:—"I beg to acknowledge, with many thanks, the receipt of the Show Case received to-day. I consider it a well-made and high-class fitting, and suitable for a prominent place in any Pharmacy."

W. H. G. writes:—"The case came safely to hand, and has already increased my sales, and makes a handsome addition to the counter."

**LEATH & ROSS, Wholesale and Export Homœopathic Chemists,
9 VERE ST., OXFORD STREET, W. } LONDON.
And JEWRY HOUSE, OLD JEWRY, E.C.**

The BEST MARKET for Buyers of MINERAL WATER
MACHINERY, ESSENCES, BOTTLES, &c.,

IS THE

Brewers' and Mineral Water Manufacturers'

NINETEENTH ANNUAL INTERNATIONAL

Exhibition and Market

WHICH WILL BE HELD AT THE

ROYAL AGRICULTURAL HALL, LONDON, N.,

From October 30th to November 5th, 1897.

The Manufactures of hundreds of firms can be seen and compared under one roof.

LEMONADE & FANCY AERATED BEVERAGES COMPETITIONS.

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POSTAL ORDER
RECORD BOOK.**
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Size 8 x 5, bound in cloth.
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**SILVERLOCK'S
CHEMISTS' SLIP LABELS**
From 1/ per 1000; a reduction on large quantities.

CHEMISTS' COUNTER BILLS
Good Quality, 7½ x 5 .. 10,000, 15/ | Second Quality, 7½ x 5 .. 10,000, 12/6
" 9 x 5½ .. 10,000, 22/6 | " 9 x 5½ .. 10,000, 18/

CHEMISTS' PILL LABELS
From 1/3 per 1000; a reduction on large quantities.

COPPER-PLATES FOR SLIP AND DISPENSING LABELS
ENGRAVED FREE OF CHARGE.

Labels of every description, Price Lists,
Illustrated Trade Catalogues, Prospectuses,
Pamphlets, Show Cards, &c.

✱ ✱ ✱

H. SILVERLOCK,
Medical Label & General Printer,
92, BLACKFRIARS ROAD, LONDON, S.E.

**THE
CLINICAL CLERK'S
GUIDE TO URINE TESTING**
On 2-fold linen-lined card,
9 in. by 5 in.
Price 7d., Post free.

**WHOLESALE
AND RETAIL
DRUGGISTS' PRICE BOOK**
BY D. ELLIOTT.
New Edition. Revised according to
the latest Edition of the British Phar-
macopoeia 1890. Pocket size, bound
in leather, price 3/.
This Edition can be used
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**SAMPLES
Free by Post.**

**JOHNSON'S
COMPENDIUM
FORM,**
For Entering Trade Receipts and Expend.
(Gradually adapted for Chemists.)
Sixth Edition. Revised. Price 8/6.
Or for Three Years with a Three
Years' Balance Sheet.
bound in one volume,
Price 10/6.

TO ALL CHEMISTS EVERYWHERE.

Whilst respectfully inviting the attention of the Trade to the subjoined notices of our Exhibit at the recent Chemists' Exhibition, it may not be inappropriate for us to explain our intention in sending **ONLY** Druggists' Sundries and Surgical Instruments, and this intent was to give palpable proof to every onlooker that the supply of finest quality goods is not confined to any one house, and that we challenged comparison with all comers.

It is not our wont to "vaunt ourselves unduly," but we will make bold to say that every Chemist who regards quality when studying prices will do himself no injustice by affording us an opportunity of competing for any goods he may require in our line.

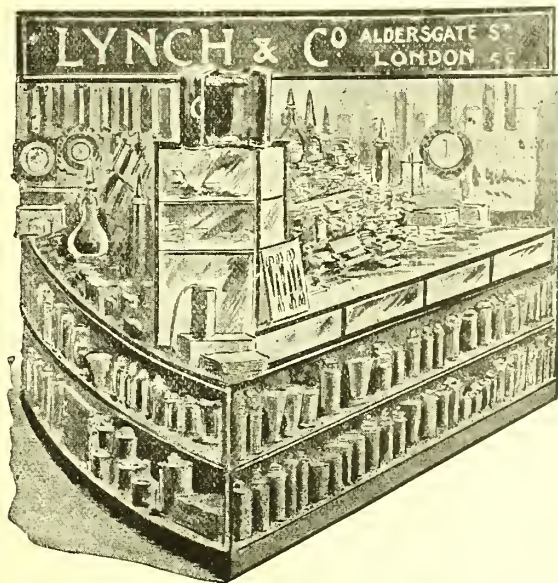
Respectfully,
LYNCH & CO., LIMITED.

NOTICES.

From **THE BRITISH AND COLONIAL DRUGGIST**, 27th August, 1897, Vol. xxxII, No. 9.

LYNCH & CO., LIMITED, Aldersgate Street, London, E.C.

This was a remarkably varied exhibit, comprising so many articles for different uses that it is impossible to more than describe a few of the principal ones and give a general idea of the arrangement of the stand. The most conspicuous part of the exhibit on one side was a large flat glass case, part of which was taken up by a fine display of silver-mounted goods, the monetary value of which is represented by some £200. Among these, toilet bottles in all shapes, flasks, hair and hat brushes, hand mirrors, dressing-table trays, shoe "horns," button hooks, and even a silver-mounted feeding bottle were included. Another part of the flat case contained xylomite goods, mostly of the tooth-brush class. A third part of the same case contained midwifery forceps, and as a conspicuous item an elegantly finished suppository mould (which turned out the suppositories in torpedo shape), and uterine dilators. At one end of the flat case was an upright one, containing sterilisable cases of instruments—such, for instance, as those containing anti-toxin syringes, and others which are used for operations in which asepticism is an important condition. On the outside of this case a crocodile case of instruments attracted much attention. The top of the flat case was sprinkled with a large assortment of powder boxes, feeding cups, cut-glass bottles, sprays, manicure instruments, dental forceps, chatelaines, nurses' wallets, and so forth. As side items there was noticeable a very cheap line in maximum and minimum thermometers, and very simple and convenient forms of dispensing scales and barometers. Under the foot of the stand stock lines of feeding bottles, narrow and wide-mouthed stoppered bottles, ordinary dispensing bottles, and such goods of every-day utility were collected.



Turning to the other side of the stand, puffs in cases, bath gloves, pill machines, trusses, and enemas were the leading lines, whilst, projecting from the recess beneath, mortars, funnels, and evaporating basins had a place. To be seen from both sides—and therefore the least negligible item in the exhibit—was a glass catheter receptacle, in which the catheters hung suspended from the cover, being fitted into holes suitable to each size, and being sterilised by the vapour rising from any volatile antiseptic placed at the bottom of the vessel. Scattered about the stand were three or four eminently workable and cheap forms of medical batteries.

Such are the main features of an exhibit which was completed by a very comprehensive collection of all the articles appertaining to the druggists' sundry business, and was remarkably up-to-date in the matter of price and design of goods.

Mr. H. Winter had charge of this stand, and along with him Mr. Jackson, country representative of the firm for 25 years, and Mr. Paddon, the town representative, looked after customers.

From **THE CHEMIST AND DRUGGIST**, 21st August, p. 905, Vol. II.

Lynch & Co. (Limited) have a position close to the entrance, which they have utilised well for a varied display of druggists' sundries, specialties, and toilet-requisites. £200 worth of silver toilet goods (hair-brushes, mirrors, &c.) is one item, and chaste goods they are. Next we observed a selection of barometers and thermometers, an elegant £20 dressing-bag for a lady, a beautiful basket of grapes made of a naphthalene compound (this for disinfection). Lynch's safety enema (still taking well and liked by medical men), camphor ice (2s. a dozen), a line of shaving-mugs, perfumes, 6d and 1s., with sprinklers, and many other articles, saleable and usable, which druggists want. The wealth of the exhibit really induces the brevity of our description of it, and we may say that those who have not seen the goods may at any time see them in the firm's showrooms.

EVANS, SONS & CO.

LIVERPOOL.

OFFICES—56 HANOVER STREET.

DEPARTMENTS—

Drugs, Chemicals & Pharmaceutical Preparations.

DRUGGISTS' SUNDRIES of Every Description.

PATENT MEDICINES & PROPRIETARY ARTICLES

Shop Fixtures and Fittings, Show Cases, &c.

PHOTOGRAPHIC APPARATUS, REQUISITES, AND CHEMICALS.

Lime Juice and Cordials—Sole Consignees of "Montserrat"
Lime Fruit Juice.

OFFICES AND WAREHOUSES—

56 Hanover Street, and 1 to 9
Seel Street.

TINCTURE HOUSE AND PILL FACTORY,
AND ESSENTIAL OIL DISTILLERY—
26 to 38 Wood Street.

LABORATORIES and DRUG MILLS—
25 to 29 Fleet Street.

SHOP FITTINGS FACTORY—
71 Fleet Street.

LIME JUICE STORES—
34 to 36 Fleet Street.

MANCHESTER—1 and 2 Exchange Buildings, Market St.

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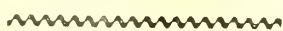


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CHEMISTS' EXHIBITION, 1897.



The "EASY FIRST"

Was Exhibit of Undersigned.

PRESS NOTICES.

"Pharmaceutical Journal," August 21, 1897.

EVANS, LESCHER & WEBB, 60 Bartholomew Close, E.C., and EVANS, SONS & Co., 56 Hanover Street, Liverpool.—This exhibit was unique inasmuch as it represented a complete pharmacy fitted up with all the latest improvements, the fittings and every prepared article being manufactured by the firm. The object of the exhibitors was to show specimens of their preparations in the crude and finished form, and a large assortment of toilet articles and other counter adjuncts.

"British & Colonial Druggist," August 27, 1897.

EVANS, LESCHER & WEBB, 60 Bartholomew Close, London, E.C., and EVANS, SONS & Co., 56 Hanover Street, Liverpool.—These well known firms combined to make a unique exhibit. The idea at the base of their show was a very simple one—viz., to picture an actual chemist's shop. It is at once seen that this gave them an opportunity of illustrating the various sides of their business very completely. For instance, in the design and fittings of the shop, the department which they have developed to a great extent in the last few years, for this object was afforded a chance of showing what it could do, and it may be safely said that the firm's designer and fitter, Mr. Tirebuck, did great credit to himself in making such an effective display when limited by such rigid surroundings. A handsome lincrusta-covered ceiling, well lit up by electric lights, covered the whole, and with regard to such a fitting we may say, in passing, that chemists might notice that it can be applied as a false ceiling, so to speak, to a shop, thus getting over any difficulty in the way of uneven ceiling in old buildings to which the lincrusta covering need not be applied direct.

"Chemist and Druggist," August 21, 1897.

EVANS, SONS & Co., and EVANS, LESCHER & WEBB make a combined exhibit, which is an "easy first." In the bay which they have taken they have placed the complete fittings of a pharmacy executed in Spanish mahogany. This is an example of the shop-fitting turned out from the Liverpool firm's cabinet-works. The whole fixture exhibits splendid workmanship, and there are many points about them which show careful thought to the requirements of the trade. Even a ceiling of special design has been fixed in to show how much that part of a shop is capable of when arranged by a competent designer. The object of the exhibit as a whole is to show that the firms can supply chemists and druggists with every article required to start and carry on the business, and the manner in which they have carried out the exhibit reflects the greatest credit upon the departments which have combined to make it.

"City Press," August 28, 1897.

THE CHEMISTS' EXHIBITION.—One of the most novel features in this exhibition at Covent Garden Theatre was the druggist shop in miniature, which was fitted up and exhibited by Messrs. EVANS, LESCHER & WEBB, of 60 Bartholomew Close. It was certainly a unique exhibit, and, in spite of the smallness of the space available, every detail was most carefully carried out. The whole shop was illuminated by means of the electric light, which produced an excellent effect. This stand was greatly admired by visitors to the exhibition, and found a purchaser, who bought the exhibit as it stood.

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Special Tutorial Course for the October Examinations commenced on September 1, and is intended for Students of previous Sessions.

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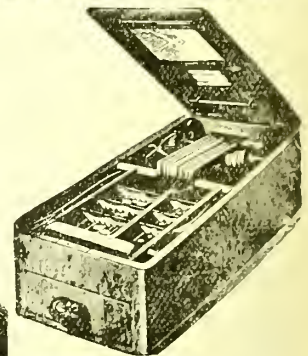
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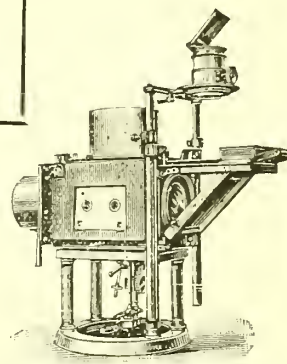
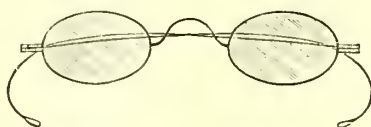
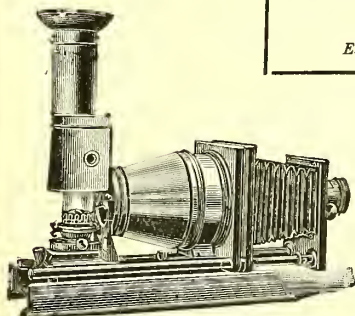
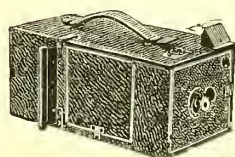
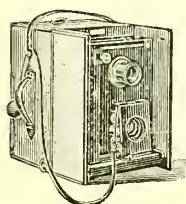
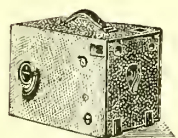
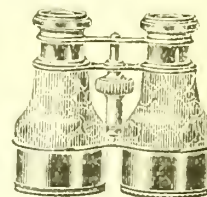
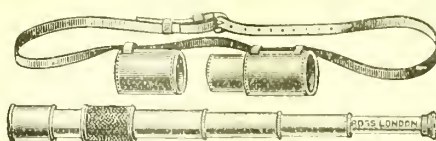
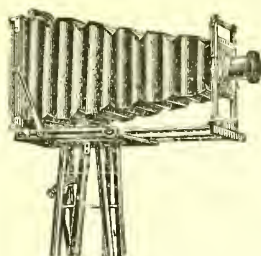
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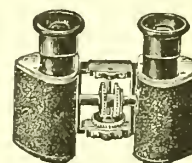
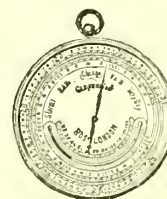
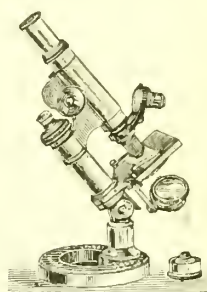
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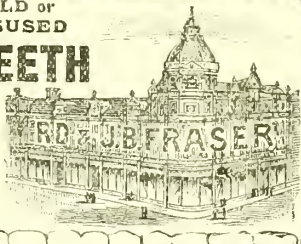
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TEETH**

**WE BUY OLD or  
DISUSED  
FALSE TEETH**

UTMOST VALUE SENT BY RETURN.  
or offers made and teeth held over until accepted.  
(Estd. 1833.)

**R. D. & J. B. FRASER,**  
PRINCES STREET, IPSWICH, ENGLAND.  
Bankers' References: Messrs. Bacon & Co., Ipswich.



## Do you require Petroleum Jelly?

If so, SNOWDON'S PETROLEUM JELLY, White or Yellow, is the best and purest obtainable. It fulfils all the requirements of the B.P., is pronounced by the Medical Profession to be unsurpassed, and DR. S. RIDEAL, D.Sc. Lond., F.I.C., F.C.S., states that the various kinds are of "uniform good quality."

## Have you seen our New Speciality in Petroleum Jelly?

The "SNOWDRIFT" (Regd.) BRAND is of a tough or stringy consistency, and is highly commended by *The Hospital*, which says of it "That its tough or stringy nature is a great improvement. We learn that already the demand for the "Snowdrift" Brand is very great. It is cheaper than ordinary vaseline, and we confidently recommend it to the Medical Profession." Samples and Prices will be sent on application.

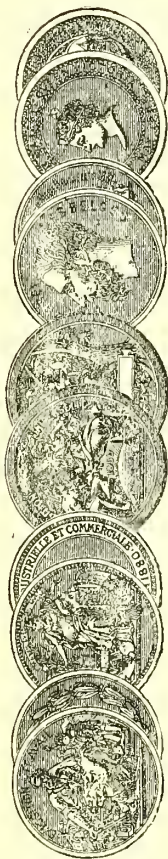
## Send for a Sample of "Snowdrift."

Address SNOWDON, SONS & CO., Lim., Millwall, London, E.  
Telegraphic Address: "SNOWDRIFT, LONDON."  
Telephone: 5127.



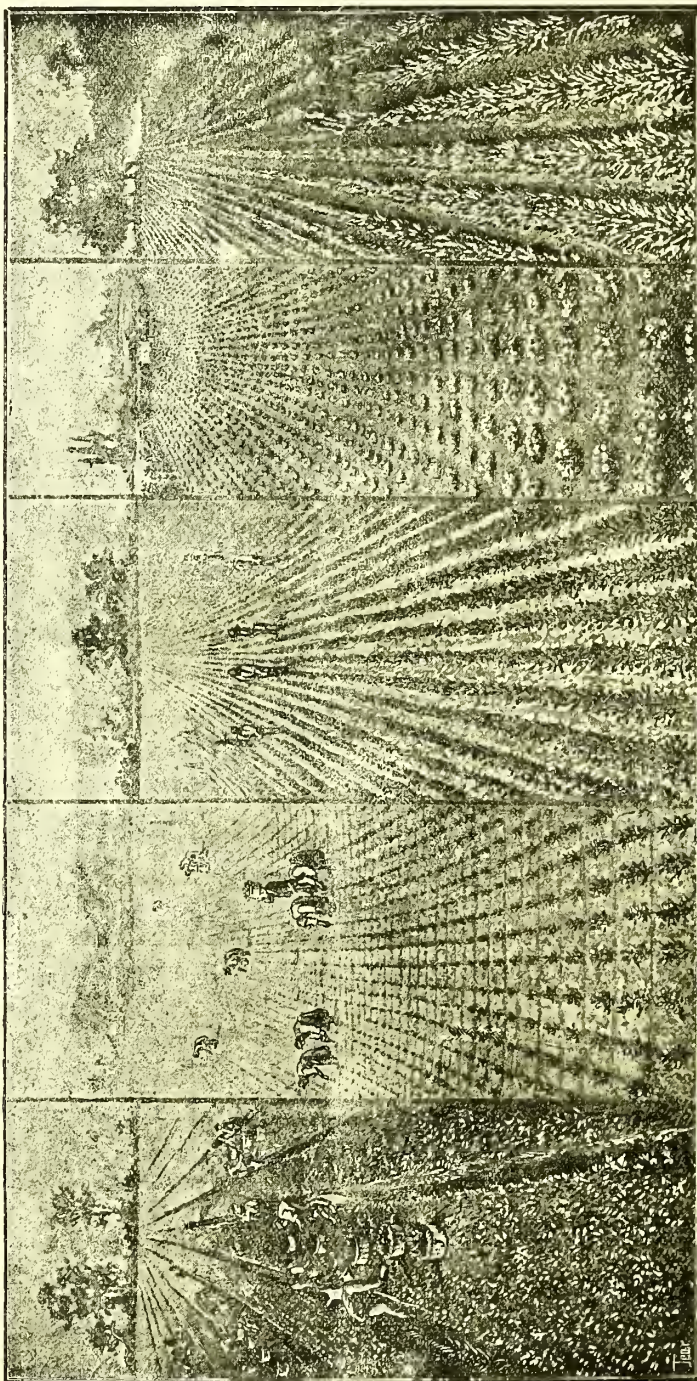
# JAKSON'S MITCHAM LAVENDER OIL.

THE BEST IN THE MARKET.



HIGHEST AWARDS AT PRINCIPAL EXHIBITIONS. 6 Gold, Silver, and other Medals awarded—Milan, 1880; Paris, 1885; Liverpool, 1886; Paris, 1889; Antwerp, 1885; London, 1890. Lyons Universal Exhibition, 1894—"Hors Concours" Member of Jury.

WEEDING PEPPERMINT. TRANSPLANTING PEPPERMINT. HOING PEPPERMINT. A CAMOMILE FIELD. CUTTING LAVENDER.



VIEWS OF JOHN JAKSON & CO.'S MITCHAM HERB FIELDS.

SAMPLES OF ESSENCES OF 1897 CROP SENT ON APPLICATION.

J. JAKSON & CO., MITCHAM DISTILLERIES, MITCHAM ROAD, CROYDON.



**WHOLESALE TRADE ONLY.**

# **STAFFORD ALLEN & SONS**

(ESTABLISHED 1833),

**DRUG MILLERS, OIL PRESSERS,**

AND

**DISTILLERS OF ESSENTIAL OILS,**

**7 COWPER STREET, FINSBURY, LONDON, ENGLAND.**

## **EXPRESSED OILS**

**ALMOND** (Ol. Amygd. Dulc.)

**PEACH KERNEL** (Ol. Amygd. Persic. Dulc.)

Frequently imported as Ol. Amygd. Exot.

**CROTON**

## **ESSENTIAL OILS**

**ALMOND**

**ANISEED**

**BUCHU**

**CARAWAY**

**CARDAMOM**

**CELERY**

**CINNAMON**

**CLOVE**

**CORIANDER**

**CUBEB**

**CUMMIN**

**DILL**

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**ORRIS ROOT**

**PEACH KERNEL**

**PEPPER**

**PIMENTO**

**SANDAL WOOD**

AND OTHERS

HIGHEST AWARDS CHICAGO, 1893, "FOR OILS OF EXCEPTIONAL PURITY AND STRENGTH."

# **GEORGE ALLEN & CO.**

(ESTABLISHED 1846).

**AMPTHILL, BEDFORDSHIRE, ENGLAND,**

**MANUFACTURING CHEMISTS,**

Medicinal Herb Growers, Distillers, Manufacturers of

**SOLID & FLUID EXTRACTS, JUICES, &c.**

**London Agents—STAFFORD ALLEN & SONS.**



**R C TREATT**

Dunster House Mincing Lane

**LONDON**

IMPORTER OF

**Musk Civet Ambergris Attar-of-Rose****ESSENTIAL OILS**

Wholesale

and

Export

only

Price List  
and  
Quotations  
on  
application

TO WHOLESALE AND EXPORT TRADES.

**W. RANSOM & SON**

(ESTABLISHED HALF A CENTURY),

**MANUFACTURING PHARMACEUTICAL CHEMISTS,**

Distillers of Essential Oils and Cultivators of Medicinal Plants,

**HITCHIN, near LONDON.****SPECIALITIES:-**

SOLID & LIQUID EXTRACTS.  
EXPRESSED JUICES.  
ESSENTIAL OIL OF LAVENDER.  
ESSENTIAL OIL OF PEPPERMINT.

SCAMMONY RESIN.  
JALAP RESIN.  
ELATERIUM.  
MERCURIAL PILL & OINTMENT.

ALON. | EUONYMIN  
LEPTANDRIN.  
DRIED MEDICINAL LEAVES.  
ENGLISH DANDELION ROOT

All Standardised Preparations of the British Pharmacopœia are tested and corrected by our Analyst before leaving the Laboratory.

International Exhibitions—London, 1882; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils, and Dried Herbs of Superior Quality. Also Award at the Paris Exhibition 1887.

**CACHOU DE LUXE.**

QUICKEST SELLING CACHOU EVER MADE.

SELLS AT TASTE!

**18/- PER GROSS OF 3d. PACKETS.**

PAY NO MORE.

*Made to any Flavour in quantities.*

From any Wholesale House; failing this write direct to

**M. W. CARMICHAEL,**

158 New Bond Street, LONDON, W. [1]

A 14 in. by 20½ in. Show Card, in 16 colours, given with each order of one dozen boxes of "Luxuria" Bath Tablets, or ½ gross "Cachou de Luxe."

16

**SPURWAY & CIE.***Perfume Manufacturers,***CANNES-GRASSE, FRANCE.**

ESTABLISHED 1820.

GOLD MEDALS—Philadelphia, 1876; Cannes-Grasse, 1893; Nice, 1884.

**FRENCH ESSENTIAL OILS,****PURE OLIVE OILS, POMADES, &c.**

SPECIALITY—Finest Quadruple Extracts of inimitable and lasting Fragrance.

London Branch—184 SHAFTESBURY AVENUE, W.C.



# TOMBAREL FRÈRES

**GRASSE** (South France),

MANUFACTURERS of HIGH-CLASS MATERIAL

FOR

Perfumers, Druggists, and Confectioners.

**Sweet Almond & Olive Oils**

DISTILLERS OF

**Essential Oils,**

**Floral Waters, &c.**

BRANCHES:

London, 69 & 70 Mark Lane, E.C.  
Sydney, 127 Pitt Street.

Melbourne, 227 Little Collins Street.  
New York, 103 William Street.

Stock in London  
and New York.

Stock in Sydney  
and Melbourne.

# CLAUDE RAYNAUD & CO.

GRASSE, FRANCE.

**Raw Materials for PERFUMERY, ESSENTIAL OILS,**  
**CONCENTRATED FLORAL EXTRACTS,**  
**FLAVOURING ESSENCES for CONFECTIONERS ("DELICIOSA" BRAND),**  
**COMPOUND PERFUMES for SOAPMAKERS.**

F. DUBOC, Sole Agent for the United Kingdom, DUNEDIN HOUSE, BASINGHALL AVENUE, LONDON, E.C.

**W. POPPELREUTER, MANCHESTER**  
**TERPENELESS, CONCENTRATED**  
**non-clouding ESSENTIAL OILS.**  
**HEINRICH HAENSEL'S**  
**Unequalled Speciality.**

**TERPENELESS OIL OF LEMON.**  
**TERPENELESS OIL OF ORANGE.**

30 times concentrated; the most soluble, best keeping  
Natural Oils extant! Save Alcohol!

**JAMES BURROUGH,** **S.V.R.**  
65 o.p. 60 o.p.

**CALE ST., CHELSEA, S.W.**  
**and Methylated Spirit**  
**AT LOWEST PRICES.**  
**WRITE FOR QUOTATIONS.**



# SOZIO AND ANDRIOLI,

ESTABLISHED A.D. 1757.  
GRASSE (FRANCE).

NOUVELLE RÉCOLTE  
**ESSENCE DE NÉROLY.**

POMMADES ROSE ET ORANGE.  
EAUX DE ROSES ET DE FLEURS D'ORANGER.

NOUVELLE SPÉCIALITÉ.  
**EXTRAIT ROYAL AMBRÉ.**

## FRENCH PERFUMES

OUR WELL KNOWN AND VERY SUPERIOR COMPOSITIONS  
STOCK KEPT IN LONDON  
Sole Agent M<sup>r</sup> FRED<sup>k</sup> BOEHM 16, JEWRY ST LONDON, E.C.

**GUARANTEED TO CONTAIN ARSENIC.**



**Best and Safest Dentifrice.**

OSCAR SUTTON & CO.  
PRESTON.

PREVENTS DECAY.

**OSTOOTH BLOCK** 1s.  
REFUSE IMITATIONS  
OF ALL CHEMISTS AND  
PERFUMERS

**L. BRAGER, 356 CITY ROAD, LONDON, E.C.,**

SOLE AGENT FOR

**BERGMANN & CO., DRESDEN,**

PERFUMERS AND TOILET SOAP MANUFACTURERS.

SPECIALITIES:

|                                                                                                                                                                                                        |           |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| No. 406, White and Rose Soap, 3 ounces each piece                                                                                                                                                      | per gross | 13/-      |
| " 416, White Almond Soap, 3 " " in tin-foil paper                                                                                                                                                      | "         | 16/-      |
| " 417, Ditto ditto 4 1/2 " ditto ditto                                                                                                                                                                 | "         | 21/-      |
| " 696-8, Lanolin, Glycerin, Vaseline, superfatted Soap                                                                                                                                                 | "         | 15/6      |
| " 412, &c. Cold Cream                                                                                                                                                                                  | "         | 16/6      |
| " 711, Best Flower Toilet Soap, 3 1/2 ounces, oval shape, in different scents                                                                                                                          | "         | 17/8      |
| " 658, Ditto ditto ditto flat shape ditto                                                                                                                                                              | "         | 17/6      |
| " 658A, Ditto ditto 3 ounces, ditto ditto                                                                                                                                                              | "         | 16/-      |
| BUTTERMILK COMPLEXION SOAP, 3 1/2 ounces each piece                                                                                                                                                    | "         | 17/6      |
| BUTTERMILK COMPLEXION SOAP, IN BALLS                                                                                                                                                                   | from 19/- | " to 26/- |
| DOUBLE EXTRAIT PERFUME, in bottles of 12 ounces weight, in all scents                                                                                                                                  | "         | 6/-       |
| Perfume in neat bottles from 1/6 per dozen upwards. Also Soaps and Perfumes at lower and higher prices. Also, as advertised in different papers, Bergmann's Lily-Milk Soap, sale price, 6d. per piece. |           |           |



# S. Sainsbury's



ESTABLISHED OVER

1/3

2/6

3/9

5/-

8/-

15/-

HALF A CENTURY

## Lavender Water

A very Lasting Perfume of great strength & refinement. Prepared from English Lavender Flowers & most choice & delicate scent  
*No Foreign Lavender is ever employed in the preparation of S. Sainsbury's Lavender Water.*

S. Sainsbury's **Rose-Violet.**

For particulars see page 85 of THE CHEMIST AND DRUGGIST Summer Number, July 31, 1897.

**"Sells Like Ripe Cherries."**

**GRANT'S**

# VIOLETTE DE PARME

*The Sweetest of Sweet Perfumes.*

All the Rage, and undoubtedly the Hit of the Season. Write for Quotations.

SOLE WHOLESALE AGENTS—

**F. SCHUTZE & CO., 36a Aldersgate Street, LONDON, E.C.**

## SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid.



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**ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.**

6d. Sample size .. 4/- per doz  
3/6 Large " .. 28/- "  
10/6 Extra " .. 84/- "

**SAMPLES** Supplied to the Trade on pretty Pattern Showcards at 4/- per doz.

This Popular Article is Largely Advertised, and kept at all Wholesale Houses.

Agents Wanted.

## BRECKNELL'S

PRIZE MEDAL.

Recommended by  
Eminent Medical Men.

**SKIN**

Unscented,  
yet  
Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

**SOAP.**

The longer it is kept the more it improves and increases in value.  
**LIBERAL TERMS TO THE TRADE.**

**BRECKNELL, TURNER & SONS, LIMITED.**

To Her Majesty, &c., &c.

**31 HAYMARKET, LONDON.**  
ESTABLISHED 1862.



# W. J. BUSH & CO.

(LIMITED),

Distillers of Pharmacopœia and other

## *Essential Oils*

The following are amongst the most important :—

**DISTILLED AT HACKNEY.**

OIL OF ALMONDS  
 " CARDAMOMS  
 " CARAWAY  
 " CINNAMON  
 " CLOVES  
 " CUBEBS  
 " DILL  
 " ORRIS  
 " PATCHOULI  
 " SANDAL WOOD

**DISTILLED AT MITCHAM.**

OIL OF CAMOMILES  
 " LAVENDER  
 " PENNYROYAL  
 " PEPPERMINT  
 " ROSEMARY

**DISTILLED AT GRASSE.**

OIL OF EUCALYPTUS  
 " GERANIUM  
 " NEROLI  
 " ROSEMARY  
 " THYME

**PRESSED AT MESSINA.**

OIL OF BERGAMOT  
 " LEMON  
 " ORANGE

*Direct Importers of all other Essential Oils.*

## SOLE VENDORS FOR THE ENTIRE WORLD

OF ALL

## SYNTHETIC & ARTIFICIAL PRODUCTS

MANUFACTURED BY

### Société Anglo-Française des Parfums Perfectionnés, Limited.

AUBEPINE (Mayblossom)  
 Powder, Liquid.

CEILLET (Carnation)

COUMARIN (Tonquin)

GARDENIA

HELIOTROPINE

OIL OF LEMON (Synthetic Terpeneless S.A.F.)

MUGUET (Lily)

NEROLIN (Orange Flower)

OIL OF ROSES

ROSE MOSS ROSE TEA

TERPINEOL

## **VANILLIN.**

*Works at* { ASH GROVE, HACKNEY; MITCHAM, SURREY; GRASSE,  
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*Head Offices and Warehouses—***ARTILLERY LANE, BISHOPSGATE, LONDON.**



# JEANCARD, GAZAN & DOUMIN

***Distillers and Importers,***

**13 St. Mary Axe,**

**LONDON, E.C.**

Head Distillery at  
CANNES (France).



Trade Mark

J.G.D.

Telegrams: "JEANCARD LONDON."

Telephone Number, 1955, Avenue.



**WHOLESALE.**

## ESSENTIAL OILS

OF ALL KINDS.

**MUSK, CIVET, AMBERGRIS, ATTAR-OF-ROSE.**

***Natural Concentrations of Flowers.***

**POMADES, FLORAL EXTRACTS,**

**ROSE AND ORANGE WATER.**

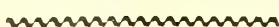
**Ess. Oils of Lemon, Orange & Bergamot.**

**NEW SEASON**

**SPIKE, THYME, LAVENDER, AND ROSEMARY.**

**BRANCH DISTILLERIES in the Alps for Peppermint  
and Lavenders.**

**Also in Africa and Bourbon for Geranium.**

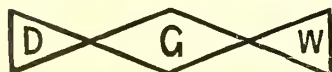


**STOCKS KEPT IN LONDON OF ALL STANDARD QUALITIES.**



**MESSRS. D. & W. GIBBS, LD.**CITY SOAP WORKS,  
**LONDON.**

Offices and Showrooms:

**16 FINSBURY CIRCUS.**

Trade Mark. Registered.

**THE ORIGINAL SUPERFATTED AND FAMOUS****COLD CREAM SOAP****"Otto,"****"Toilet,"****"Medicated."**Wrapped and Cartoned in 1 dozen  
or  $\frac{1}{4}$  dozen Boxes.This Soap is delicately Perfumed, and made with the  
utmost care from the finest materials only, and a  
Certificate of Purity is given with each tablet. The above  
are protected by our Registered Trade Mark given above, and  
every wrapper bears this, so that customers are warned against  
worthless imitations.**COLD CREAM SHAVING SOAP**Messrs. GIBBS have at last succeeded in giving their customers a Shaving Soap which  
is far ahead of anything yet produced.**'HYPATIA'****THE NEW TOILET SOAP.**

.....

HUGGINS' SOAP WORKS, Lim., are now appointing  
Agents amongst respectable Chemists in all the leading  
towns in the United Kingdom.Unprecedented favourable terms to the first Three  
Hundred appointed.Apply, **HUGGINS' SOAP WORKS, LIM.**  
**GRAVESEND, KENT.**





# THE SHARP BROS.



## SOAP & PERFUMERY CO., LTD.

18 & 19 RED LION SQUARE, LONDON, W.

**SHARP'S PERFUMES.**  
GOLD BLOCKED LABELS of  
Registered Designs.  
54/- per gross, subject.

SHARP'S "PANSALIA" SOAP,  
3-tablet boxes, 7/6 per dozen boxes.

"PANSALIA" FACE POWDER,  
4/- and 8/- per dozen.

"PANSALIA" SACHETS,  
4/- per dozen.

**BENTLEY'S WINDSOR.**  
THE SOAP ACTUALLY  
In 3-tablet (large) boxes, and in 6-tablet (small) boxes, 12/- per dozen boxes, subject.

**IN PRICES OF FINEST MILLED AND SUPERFATTED SOAPS.**

- No. 12. GOLD CREAM
- " 13. "CUCUMBER CREAM"
- " 24. "GARDENIA.."
- " 28. "WHITE LILAC"
- " 38. "LILY OF VALLEY.."
- " 40. "LILY OF VALLEY.."

**"BOUQUET OF FLOWERS" SOAP.**  
MILLED AND SUPERFATTED.  
In Handsome Counter Boxes, 17/- per gross, or 16/- per gross lots.

**SHARP'S WHITE ROSE AND CUCUMBER SOAP.**  
(THE ORIGINAL & ONLY GENUINE.)  
THE PUREST SOAP MADE.  
12-tablet boxes, 30/- doz. boxes  
3 " Subject.

**REDUCTIONS**

- No. 41. LILY OF VALLEY
- " 46. MUSK LAVENDER
- " 47. "OPONAX"
- " 52. "PANSALIA" (Registered)
- " 53. "VIOLETTE DE PARME"
- " 55. "PANSALIA" ARE "NET."
- " 56. "VIOLETTE DE PARME"
- " 58. "PANSALIA" ARE "NET."

**ABSOLUTELY**

**BROWN**  
USED BY H.M. THE QUEEN.  
Also New Model Box for 1897, Gold and Colours.

NITON FRÈRES' FINEST GRASSE EXTRAITS, 8/6 per lb.

SEND FOR LIST OF IMPORTANT REDUCTIONS.

THE SHARP BROS. SOAP & PERFUMERY CO., Ltd., 18 & 19 RED LION SQUARE, LONDON, W.C.



Telegraphic Address—  
"DAQUEZ LONDON."

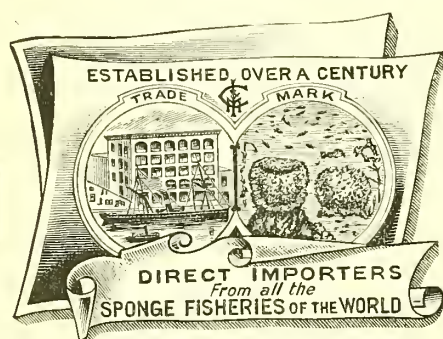


Telephone—  
97 Avenue.

# I. & M. COHEN.

Sponge Merchants, Importers & Exporters,

AND CHAMOIS LEATHER MERCHANTS,



53 & 54 HOUNDSDITCH,

AND

66 ST. MARY AXE, LONDON, E.C.

Auxiliary Warehouses and Bleaching  
Works—

COLLINGWOOD ST., CITY RD., E.C.



# SPONGES

DRUGGISTS, CHEMISTS, SHIPPERS & OTHERS

REQUIRING

# GOOD RELIABLE SPONGES

Of every description at the **Lowest Possible Prices**, should purchase from us, **the direct Importers**. Our **Sponges** can be had in original Cases and Bales as received from **our Buyers**, or in Cases, Bales, Boxes, on Cards or Strings, Natural or Bleached, to suit customers' requirements.

**All Orders will receive Prompt and Personal Attention.**



# **S. M. FRANKENSTEIN & CO.**

## **LONDON & MANCHESTER.**

---

**GELATINES** (Proprietors of the "Calf" Brand).

**GLUES AND GELATINES**

(JACQUAND-COIGNET).


**AFRICAN GROUND NUT OIL**

(VF BRAND).

**SALAD COTTON SEED OIL**

(UNION BRAND).

**LUCCA AND PROVENCE OLIVE OIL**

(WARRANTED GENUINE). 

**GLUCOSE** (R. & W. Crown Brand)

**DYEWOOD & TANNING EXTRACTS** (E. Dubosc)

**FINE COLORS, GUMS AND STARCH**

**CASTILLE SOAP** (Industrial and Druggists').

**ESSENTIAL OILS:**

**SPECIALITIES** :—Lavender, Geranium, Neroly, Lemon, Orange, Bergamot.

**FLORAL EXTRACTS, &c.**

**LIQUORICE, BLOCK AND STICK**

**COCHINEAL CARMINES** (Unrivalled Qualities)

---

Chief Office—

**Dashwood House,**

**9 New Broad Street, London, E.C.**

# Important to the Trade

95/6 High Holborn, W.C.,  
17th July, 1897.

From 1st August, 1897, we have decided to allow our best terms upon all **CASH** Orders of **£2** (net) when accompanied with remittance.

This condition will be strictly adhered to, and in no case will orders be executed on these terms without Cash with Order.

We will also send to all new customers, with their first order, one of our handsome framed Show Cards (produced in 20 colours), together with 1,000 Counter Bills with name and address printed at foot.

**EDWARDS & CO.**

THE GREAT  
HAIR PRODUCER  
AND  
RESTORER.

THE VERY  
FINEST  
DRESSING.  
SPECIALLY  
PREPARED  
AND  
PERFUMED  
FOR  
TOILET USE.

EDWARDS'  
"HARLENE"

FOR THE HAIR.

## PRICE LIST.

No. 1 size, Retail, 1/-; Wholesale, 11/- per dozen.

„ 2 „ „ 2/6; „ 27/3 „

„ 3 „ „ 4/6; „ 47/- „

*Full discount of 20 per cent. off trade  
prices to all buyers of £5 and upwards.*

TERMS—Monthly Accounts Prompt.

*Full discount of 20 per cent. off trade prices  
to all buyers of £2 (net) Cash with Order.*

THE WORLD-  
RENOWNED  
REMEDY FOR  
BALDNESS.

HAS  
THE HIGHEST  
HONOURS AND  
LARGEST SALE  
IN THE WORLD  
OF ANY  
PREPARATION  
FOR THE HAIR.  
IT IS WITHOUT  
A RIVAL.

**EDWARDS' "HARLENE" CO., 95 and 96 High Holborn, LONDON, W.C.**



# S. MAW, SON & THOMPSON'S

## BEST QUALITY

# TOOTH BRUSHES

**72/- per Gross.**



**Each Bearing Trade Mark and Warranted.**



*NO CHARGE FOR STAMPING WITH NAME OF CUSTOMER, WHEN NOT LESS THAN 1 GROSS OF ANY PARTICULAR BRAND ARE ORDERED.*

**Carbolic**  
3/9 & 7/-

## MAW'S TOOTH PASTES

((( )))

### WHITE ROSE



12/- & 20/- per doz.

### RED OR WHITE CHERRY

3/9 & 7/-

**Almond**  
3/9 & 7/-

**Aromatic**  
8/6

**Camphorated**  
3/9 & 7/-

**S. MAW, SON & THOMPSON, LONDON.**

# THE RIGHT THING TO DO.

Make the people come to the window!

Draw them in crowds! Compel the comment of the locality.

Our unique display will do it. Will sell your own specialities and Daisy as well!

We will lift you up to publicity, and make it pay you and well worth your while to have the lifting.

---

We have repeatedly had to re-order large numbers of our attractive and unique "Daisy Smart Man" display.

It consists of a well-got-up Moving Figure of a Masher in real garments, felt hat, patent leather shoes, &c., leaning over an ornamental board bearing "smart" reasons for taking Daisy. He turns his head from side to side, moves his eyes, and smilingly points to his message. Flowers, fancy curtain, art chromos, and catchy advertisements are artistically arranged around, and your own specialities may be given prominent places in the window.

**IT ALWAYS COMMANDS MARKED ATTENTION.**

**ITS SUCCESS IS UNIVERSAL.**

---

## DAISY, LIMITED,

The Twin Daisy Factories, LEEDS.

Read all our four pages. There's £ s. d. in them.



# DO IT RIGHT

---

## WHILST AT IT!

---

Do not be caught by cheap clap-trap advertisements.

Do it right, and thorough, and good.

The "Daisy Smart Man" will grace the most fastidious *recherché* window.

Its success may be judged from the following:—

Carrickfergus,  
July 8, 1897.

Gentlemen,

We have much pleasure in enclosing cheque in payment of accompanying account, less the discount.

We arranged a very pretty drug-display window for Jubilee Day, with "Daisy Smart Man" as central figure

Of course our establishment was closed, but we took off the shutters, and in the evening turned on all the lights, and kept the "Smart Man" running at full speed from 8 a.m. till 12.30 p.m.

Our window was certainly the centre of attraction in the town, and quite rivalled the fireworks and illuminations.

It must have been viewed by many thousand persons.

We consider the general all-round advertisement which we thus obtained was well worth the cost of the 12 dozen Daisies.

We are pleased to say Daisy is selling freely.

Yours faithfully,  
CAMBRIDGE & COMPANY.

---

DAISY, Limited, THE TWIN DAISY WORKS, LEEDS.

Read all our four pages. There's £ s. d. in them.

# DRAW THE CROWD, and have **£6 in the bargain!!!**

WE believe in giving the Retail Chemist a "living profit," and we act up to our professions. For £6 3s.—quarterly account—we supply 1 gross large boxes of "DAISY" Headache Cure, containing 20 in each box. We allow 6d. per dozen for taking the gross quantity, and an extra 7½ per cent. for cash on delivery, £5 8s. net. These retail, principally in two's, three's, and four's, at 1d. each, showing a profit of £6 12s., or nearly 125 per cent. upon the outlay.

With this quantity we supply also an A1 display, regarding which Messrs. Hickman, Chemists, Bridgwater, write:—"The model is 'fetching' the people, and just the thing to make 'DAISY' HUM," and a London Chemist writes:—"The model is a great attraction. The Thames is almost on fire with 'DAISY.' Will you sell me the model outright?"

We pay carriage both ways, and loan it with curtain, artificial daisies, &c., free for one month, upon receiving the moderate order of 12 dozen large size "DAISY," or equivalent. We can send the Smart Man **SAME DAY** as order is received if desired.

If there is any point which you would like further information upon, we shall be very pleased to reply. May we put money into your pocket?

---

## DAISY, Limited,

THE TWIN DAISY FACTORIES, LEEDS.

Read our entire 4 pages. There's £ s. d. in them.



# Help Those Who Help You.

## BE ALIVE TO YOUR OWN INTERESTS.

**Daisy** profits are protected by the vigilant aid of the P.A.T.A. If any man cuts, we refuse to supply him. We also call upon all other manufacturers of the P.A.T.A. (comprising well-known firms) to refuse to supply him also, until such time as the cutter stops cutting **Daisy**, and returns a penitent prodigal to the fold of legitimate and reasonable trading.

We refuse good orders continually on these lines. It will pay you to deal with us, and **help us to help you.**

PROFITS EXCEPTIONAL! PROFITS PROTECTED!!  
PROFITS WORTH HAVING!!!

## 20 Daisies in each box, 13½d.

Sells mostly in two's and three's, generally sells at full price. Lowest cutting price, **1s.**

Samples, **1d.** each. Lowest cutting price, 5 for **4d.**

1 dozen ... .. **10s. 9d.** per dozen net quarterly account.

3 dozen ... .. **10s. 3d.** " " "

12 dozen specially quoted for.

Three dozen **1s. 1½d.** Daisies generally sell at **1d.** each, or about **£3.** The profit thus equals **£1 11s.** on an outlay of **£1 8s. 6d.,** or above **100** per cent. profit.

## 10 Daisies in each box, 7½d.

Generally commands full price; Minimum cutting price, **7d.**

**5s. 8d.** per dozen net quarterly account.

**TERMS** { 7½ per cent. for cash enclosed with order.  
2½ per cent. for cash in one month.  
Due net in three months.  
Carriage paid.

## "DAISY," Ltd., Faraday Works, LEEDS.

Director and Solicitor—COUNCILLOR WORMALD. Governing Director—JOHN ROBERT ELLIS, Esq. Secretary—THOS. PEARSON, F.R.G.S.

**Wires: "DAISY LEEDS." Half cost allowed.**

Trade Mark, Label, Box, and Wrapper protected by over 20 registrations and copyrights.

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See 3 previous pages.



TO PREVENT DISAPPOINTMENT ORDER EARLY.

# THE "FLY CEMETERY"

BY ROYAL LETTERS PATENT.

## NON-POISONOUS!

The Original and by far the BEST Sticky Fly Paper in the market.

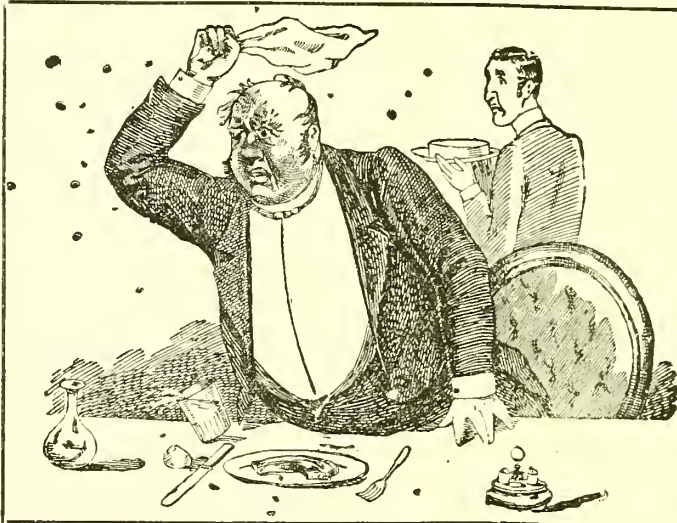
## ANNUAL SALE MILLIONS.

### END OF SEASON.

This Gentleman would NOT stock the "Fly Cemetery."

RESULT:  
**DISAPPOINTMENT.**

Catches more  
Flies in a day  
than the  
old-fashioned  
Papers do in a  
week.



PRICE  
ONE PENNY.

Well known in  
every  
Household in  
the  
Kingdom.

Bears Large  
Profits.

The immense popularity of the "FLY CEMETERY" with the public has had the usual result attending the introduction and prosperity of all genuine articles in raising up a host of *imitations*, which for the most part disappoint the purchaser. We therefore warn our friends not to be misled by specious announcements, but when they order Sticky Fly Papers to insist upon having the "FLY CEMETERY."

SOLD BY ALL THE LEADING WHOLESALE HOUSES.  
LIBERAL TERMS

### IMPORTANT NOTICE.

In order that our Customers may not suffer any loss through deterioration of Stock kept during the Winter, we are willing to Exchange any thus left over for Fresh Stock at the commencement of a new Season. We only ask our friends to assist us by ordering judiciously, especially towards the latter part of the Season.



### END OF SEASON.

This Gentleman DID stock the "Fly Cemetery."  
RESULT: **GOOD BUSINESS.**

SAMPLES AND TESTIMONIALS FROM

## TUNBRIDGE & WRIGHT, MANUFACTURERS, READING.

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# THE LONDON ESSENCE CO.

## Wholesale Druggists

REQUIRING

## ESSENCES, PERFUMES, TINCTURES, ESSENTIAL OILS, &c.

should write us for special terms  
before buying elsewhere.

Telegrams—  
"VANILLIN LONDON."

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### Sen-Sen

(TRADE MARK.)

6/- { Per Box of—  
40 3d. Pkts., and  
40 Free Samples.

SEN-SEN is now stocked by all the leading Wholesale  
Houses in the United Kingdom.

Australasian Chemists can get Sen-Sen  
from

FELTON, GRIMWADE & CO., MELBOURNE.

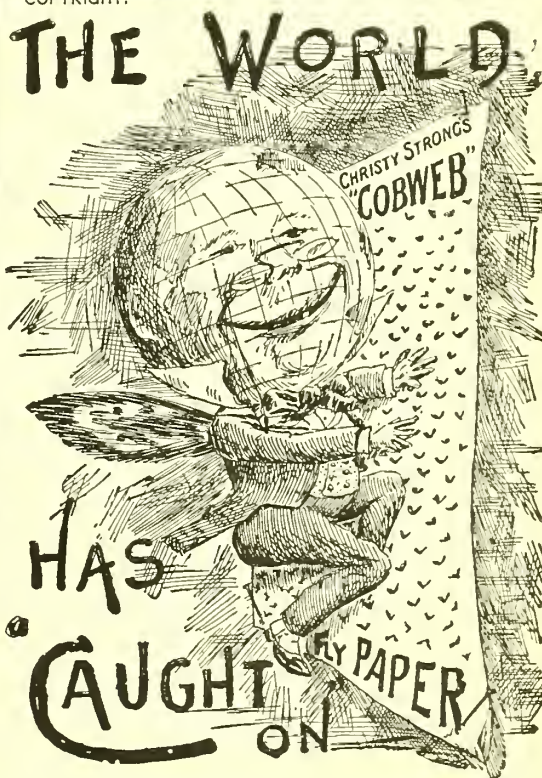
Italian Chemists from  
M. VERMONDO VALLI, MILANO, ITALY.

Put up in neat Gold and Coloured Envelopes, and it  
SELLS AT SIGHT.

THE FINEST CACHOU IN THE WORLD.

SEN-SEN COMPANY,  
9 FARRINGDON AVENUE, LONDON, E.C.

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5/- per gross, "Carriage" Paid. Cash must accompany order.

Samples free, CHRISTY STRONG, READING.

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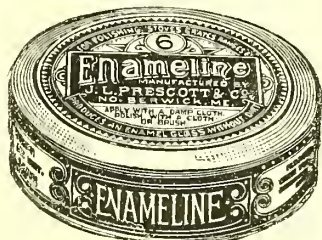
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MARS  
METAL POLISH.

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| 1d. Size per gross net | 7/6  |
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Discount for Quantity. Packed in  
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The Modern Stove Polish.  
A PHENOMENAL SUCCESS.

In 1d, 2 1/2d, and 5d. sizes.

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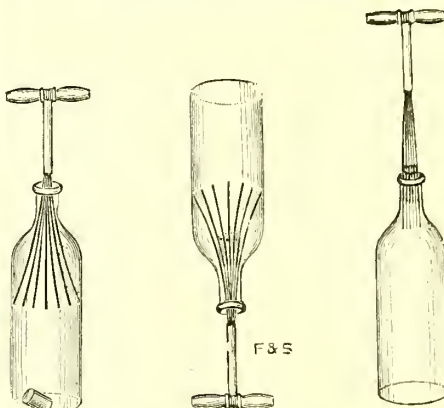
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FLOOR  
POLISH.

For producing an unequalled dancing surface with a minimum amount of trouble and entire absence of dust or stickiness.

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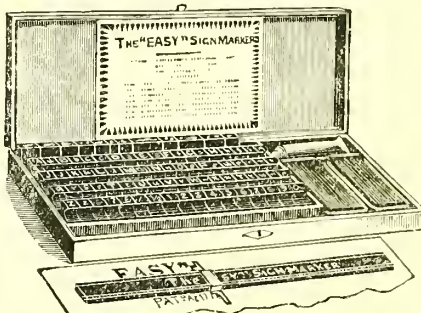


## OUT-YOU-CUM.

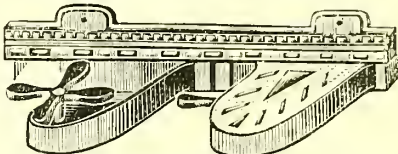
This patented instrument works on an entirely new and superior principle. It acts like magic. It never falls. It never breaks the bottle. It takes a cork from any size or shaped bottle or jar. It saves temper, time, and trouble. The woodcuts above show the method of using.

Per dozen .. 8/-

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The "VICTOR" or "TURNSTILE"  
UMBRELLA RACK.

Invaluable for use in  
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Hotels, Clubs, Billiard Rooms,  
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Banks, Offices of all kinds,  
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| Holes   | 1   | 2   | 3   | 4   | 6   |       |
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## MONKEY BRAND.

## WON'T WASH CLOTHES.

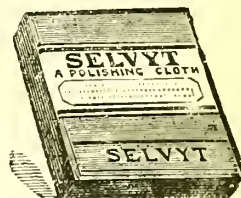
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| Cases of 100 Large Bars | 25/- |
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If any difficulty in obtaining in any part of the world, write Sole London Consignees,

FORDHAMS, LONDON.

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"Selvyt" makes the housemaid's work a pleasure instead of a trouble.

Please Write for Particulars.

These Cloths sell at sight; but to give you a start with them we will send you a Counter Box, containing 2 each B, C and D for 3/- post paid.

GORDON & DILWORTH'S  
TOMATO CATSUP.

A most delicious Table Sauce.

Made entirely from Fresh Tomatoes.

We are the Sole London Consignees.

## SMALL SIZE.

Cases of 4 doz., per 4/9 doz.

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Cases of 1 doz., per 17/- doz.

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GREAT VARIETY.

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| Foot of Page                                                    | Foot of Page                                         | Foot of Page                                    | Foot of Page                                    |
|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Alexandre..... 19                                               | Denoual, J..... 94                                   | Lalor, Dr..... 78                               | Sartlechner, A..... 43                          |
| Allen & Hanbury (Lim.)..... Cover                               | Droeg, W., & Co..... 92                              | Lambert, A., & Co..... 88                       | Schutze, F., & Co..... 19                       |
| Allen, Stafford, & Sons..... 15                                 | Duncan, Flockhart & Co..... 83                       | Leath & Ross..... 3                             | Scott's, Dr., Pills..... 47                     |
| Anderson Apothecaries Co..... 77                                | Dussek Bros..... 58                                  | Lennon, B. G., & Co..... 72                     | Scottish Acid and Alkali Co..... 47             |
| Anglo-American Drug Co. (Lim.)..... 70                          | Edwards & Co..... 25                                 | Lounbard, T..... 80                             | Seltzogene Patent Charges Co..... 33            |
| Apollinaris Co. (Lim.)..... Back Cover                          | Ellerfeld Farbenfabriken Co..... 81                  | Levermore, A., & Co..... 92                     | Sharp Bros. Soap & Perfumery Co. (Lim.)..... 23 |
| Bailey, W. H., & Son..... 63                                    | Elliman, Sons & Co..... Text 520                     | Levy, A., & Thomas..... 62                      | Shearing, F., & Co..... 80                      |
| Barnett & Foster..... 41                                        | Ellis & Son..... Text 520                            | Liverpool Lint Co..... 88                       | Sheffield College..... 8                        |
| Barron, Harveys & Co..... 42                                    | English Diastase Malt Extract Company (Lim.)..... 98 | Liverpool School..... 10                        | Singleton & Cole (Lim.)..... 62                 |
| Beckett, W..... 40                                              | Eschmann Bros. & Walsh..... 86                       | Lloyd, T. H., & Co..... 75                      | Smith, B. A., & Co..... 43                      |
| Beecham, T..... 73                                              | Evans, Gadd & Co..... 80                             | Lockyer, J. E..... 10                           | Smith, S., & Co. (Lim.)..... 91                 |
| Benger, F. B., & Co. (Lim.)..... 63                             | Evans, Sons & Co..... 6, 7                           | Lofthouse & Saltmer..... 46                     | Snow, Dr. H..... 13                             |
| Berdee & Co..... Coloured Supplement                            | Exchange Column..... Col. Supp.                      | Lofthouse & Saltmer..... 46                     | Snowdon, Sons & Co. (Lim.)..... 13              |
| Berkfeld Filter Co. (Lim.)..... 45                              | Fassett & Johnson..... 87                            | Lundberg Wachsbleiche..... 94                   | Solport Bros..... 52                            |
| Bertie-Smith & Co..... 37                                       | Fentiman & Jo..... 92                                | Lynch & Co. (Lim.)..... 5                       | Southwell, C., & Co..... 9                      |
| Blondeau & Cie..... 84                                          | Ferguson & Osborne..... Col. Supp.                   | Mackey, Mackey & Co..... 81                     | South-West London Polytechnic..... 18           |
| Boehm, F..... 30                                                | Finck, H..... 82                                     | Mansou, R..... 88                               | Sozio & Andrioli..... 93                        |
| Bonner, A. M., Manufacturing Co..... 94                         | Fink, F., & Co..... 52                               | Marriott, E., & Co..... 90                      | Spencer & Sons..... 16                          |
| Boor & Son..... 89                                              | Fitch & Nottingham..... 59                           | Marshall (Lim.)..... 57                         | Spurway & Cie..... 19                           |
| Botwright & Grey..... 8                                         | Fleming's Oil & Chemical Co. (Lim.)..... 59          | Marvine Syndicate (Lim.)..... 53                | Squire & Sons..... 9                            |
| Boulton, J., & Co. (Lim.)..... 85                               | Fletcher Bros. & Co..... 92                          | Matto (Lim.)..... 62                            | Steele, J. C., & Co..... 59                     |
| Bovril (Lim.)..... 55                                           | Fletcher, Fletcher & Co..... Text 520                | Maw, S., Son & Thompson..... 27                 | Stevens, P. A..... 35                           |
| Bowling & Govier..... 13                                        | Fordham, W. B., & Sons (Lim.)..... 34                | May & Baker (Lim.)..... Cover                   | Strong, C..... 13                               |
| Bradley & Bourdas..... 58                                       | Formalin Hygienic Co. (Lim.)..... 61                 | May, Roberts & Co..... Cover                    | Sutton, O., & Co..... 18                        |
| Brager, L..... 19                                               | Fox, Fultz, & Co..... 57                             | McKesson & Robbins..... 64                      | Symons, J., & Co. (Lim.)..... 42                |
| Brand & Co..... 55                                              | Frankenstein, S. M., & Co..... 25                    | Melin, C..... 46                                | Tasmanian Eucalyptus Oil Co. (Lim.)..... 59     |
| Bratby & Hinchliffe (Lim.)..... 40                              | Fraser, R. D. & J. B..... 13                         | Metropolitan College..... 8                     | Taylor & College..... 72                        |
| Brecknell, Turner & Sons (Lim.)..... 19                         | Fry, J. S., & Sons..... 52                           | Miller, A., & Co..... 46                        | Thiellay, E. H..... 92                          |
| Brett, F. J..... Coloured Supplement                            | Geogg, G..... 93                                     | Mills, R. M..... Text 520                       | Thornton-Pickard Co..... 92                     |
| Brewers' Exhibition..... 4                                      | Gibbs, D. & W. (Lim.)..... 22                        | Morrison, R., & Co..... 76                      | Tombarel Freres..... 17                         |
| British Castor Oil Co. (Lim.)..... 78                           | Gilbertson & Sons..... 91                            | Moss, J., & Co..... Text 520                    | Tomlinson & Son..... Coloured Supp.             |
| Bronkley, H., & Co..... 84                                      | Goodall, Backhouse & Co..... 82                      | Nestlé, H..... 55                               | Tower Tea (Lim.)..... 53                        |
| Brook, Parker & Co..... 78                                      | Haresceugh, B. B., & Co..... 56                      | O'Brien, T..... 10                              | Treatt, R. C..... 16                            |
| Bruckner, R..... 92                                             | Harvey & Co..... 56                                  | Orridge & Co..... Coloured Supplement           | Treble, Geo., & Son..... 10                     |
| Brunner, Mond & Co. (Lim.)..... 68                              | Harvey, S..... 18                                    | Parke, Davis & Co..... 73                       | Tunbridge & Wright..... 32                      |
| Burgoyne, Burdidge & Co..... 54                                 | Hawksley, T..... 91                                  | Patent Stopper Box and Stamp Co. (Lim.)..... 94 | Tyrer, P..... 81                                |
| Burgoyne, P. B., & Co..... 66                                   | Hearn, Wright & Co..... 86                           | Pavia Felix..... 93                             | United Alkali Co. (Lim.)..... 58                |
| Burroughs, Jas..... 45                                          | Hebden, W. C..... 58                                 | Peterson, M., & Co..... 56                      | Vaccine Association..... 50                     |
| Burroughs, Wellcome & Co..... 65                                | Hertz & Collingwood..... Text 520                    | Pindar, J. W., & Co..... 92                     | Van Houten & Son..... 52                        |
| Bush, W. J., & Co..... 20                                       | Hillaby, J..... 53                                   | Poppelreuter, W..... 17                         | Vi-Cocoa (Lim.)..... 43, 49, 50, 51             |
| Cadbury Bros..... Cover                                         | Hooper, B., & Co..... 79                             | Quelch, H. C..... 88                            | Wand, S..... 77, 92                             |
| Carbonic Acid Gas Co..... 43                                    | Horlick & Co..... Text 520                           | Raines & Co..... 79                             | Warner, W. R., & Co..... 37                     |
| Carmichael, M. W..... 16                                        | Hovenden, R., & Sons..... 95                         | Raines, Clark, & Co..... 83                     | Westminster College..... 8                      |
| Chemists' Aërated and Mineral Waters Association (Lim.)..... 39 | Huggins' Soap Works (Lim.)..... 22                   | Ransom & Sons..... 16                           | White, A., & Sons..... 81                       |
| Cheshrough, The, Co..... 63                                     | Ibris & Co. (Lim.)..... 33                           | Raynaud, Claude, & Co..... 17                   | White, S. B..... 47                             |
| Christy, T., & Co..... 92                                       | Iron & Steel Plant Co. (Lim.)..... 93                | Reichenhall Syndicate (Lim.)..... 80            | Whittaker & Co..... 9                           |
| Churchill, J., & A..... 9                                       | Isaacs, I., & Co..... 91                             | Reidell, W. J..... 63                           | Wilcox & Co..... 45                             |
| City of London College..... 9                                   | Jackson, T..... 33                                   | Richards, J. M..... 71                          | Willows, Francis & Butler..... 89               |
| City School of Pharmacy..... 9                                  | Jackson, J., & Co..... 14                            | Ridge's, Dr., Food..... 55                      | Wilton & Co. (Lim.)..... 62                     |
| Cohen, I. & M..... 24                                           | Jeancard, Gazin & Doumin..... 21                     | Ringrose & Cobb..... 92                         | Wood, V..... 90                                 |
| Coleman & Co. (Lim.)..... 47                                    | Jeyes' Sanitary Compound Co. (Lim.)..... 60          | Roberts & Co..... 70                            | Woodruff, T..... 86                             |
| Cooper & Co..... 92                                             | Jones & Co..... 89                                   | Robinson, B..... 42                             | Wyles (Lim.)..... 73                            |
| Craven, F..... 93                                               | Judd & Mauners..... Coloured Supp.                   | Rookledge, F. E..... 57                         | Yanatas (Lim.)..... 93                          |
| Crawshaw, E., & Co..... 17                                      | Keene & Ashwell..... 57                              | Rosbach Co. (Lim.)..... 40                      | Youldon, E..... 86                              |
| Currie, W., & Co..... 89, 90                                    | Keene & Ashwell..... 57                              | Ross & Sons (Lim.)..... 47                      | Zimmer & Co..... 91                             |
| D. C. L. Malt Extract..... 69                                   | Kemp & Sons..... 62                                  | Ross (Lim.)..... 11                             | Zimmermann, A. & M..... 12                      |
| Daisy (Lim.)..... 28, 29, 30, 31                                | Kempthorne, Prosser & Co..... 72                     | Rosland, A., & Sons..... 10                     |                                                 |
| Davenport, J. T..... 74                                         | Kent, G. B., & Sons..... 91                          | Royal Dispensary, Edinburgh..... 8              |                                                 |
| Davis, F..... 9                                                 | Kingstou, W..... 93                                  | Salsbury, S..... 19                             |                                                 |
| Davy, Hill & Son, Yates & Hicks..... 84                         | Knoves & Phillips..... Text 520                      | Sanitas Company (Lim.) Text 520                 |                                                 |
| Dawes, A. H..... 8                                              | Kithn, B..... 81                                     | Savory & Moore..... 52                          |                                                 |
| Day, Son & Hewitt..... 56                                       |                                                      |                                                 |                                                 |

## CLASSIFIED LIST OF ALL ADVERTISERS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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F., & Co.<br>Smith, T. F., & H., & Co.<br><b>ALMANACKS</b><br>Rowland, A., & Sons<br><b>AMMONIA</b><br>May & Baker, Lim.<br>White, A., & Sons<br>Woolley, Sons & Co. | <b>APPARATUS</b><br>Bennett, Sons & Shears<br>Berend, O., & Co.<br>Woolley, J., Sons & Co.<br><b>BAKING POWDER</b><br>Goodall, Backhouse & Co.<br><b>BATH SALTS</b><br>Tidman & Son, Lim. (Sea Salt)<br><b>BEESWAX</b><br>Bewdlear & Co.<br>Evans, Sons & Co.<br>Kemp & Son   Leonard, T.<br>Lüneburger Wachsbleiche<br>Shearing, F., & Co.<br><b>BICARB. SODA</b><br>Brunner, Mond & Co., Lim.<br>Howards & Sons<br>May & Baker, Lim.<br><b>BIPALATINOLIDS</b><br>Oppenheimer, Son & Co., Lim.<br><b>BISMUTH PREP.</b><br>Hearon, Squire & Francis<br>Hewlett & Sons<br>Kemp & Son<br>May & Baker, Lim.<br>Tyler, T., & Co.<br>White, Alfred, & Sons<br><b>BOOKS, &amp;c.</b><br>Chambers & Co.<br>Gurney & Jackson<br>Murphy, J.<br>Snow, Jr. H.<br>Southall Bros. & Barclay<br>Squire's "Companion"<br>Whittaker & Co.<br><b>BORAX</b><br>Howards & Sons<br><b>BOXES</b><br>Austin & Co. (Cardboard)<br>Ayrton & Saunders<br>Evans, Sons & Co.<br>Kent, G. B., & Son<br>Kilner Bros.<br>Patent Stopper, Box, and Stamping Co., Lim. (Tin)<br>Robinson & Sons<br>Rogers & Co.<br>Tinsplate Decorating Co. | <b>BOTTLES</b><br>Ayrton & Saunders<br>Barnett & Foster<br>Barrett, R. H.<br>Bratby & Hinchliffe, Lim.<br>Brethia, Lim.<br>Craven, F. (bottle caps)<br>Gilbertson, H., & Sons<br>Hearn, Wright & Co.<br>Isaacs & Co.   Kilner Bros.<br>Lynch & Co., Lim.<br>Maw, S., Son & Thompson<br>Potts, H., & Co.<br>Stipendium Stopper Co., Lim.<br>Toggood, W.   Tomlinson, E.<br>York Glass Co., Lim.<br><b>BRUSHES</b><br>Addis & Son (Tooth)<br>Evans, Sons & Co.<br>Hovenden & Sons<br>Kent, G. B., & Sons<br><b>BURSEY BURNERS</b><br>Berend & Co.<br>Boulton, J., & Co., Lim.<br>Crawshaw & Co.<br>Miller & Co.<br>Tomlinson & Hayward<br><b>CACHETS</b><br>Brager, L.<br>Christy, T., & Co.<br>Cooper & Co.<br>Sangers, J., & Sons<br><b>CACHOUS</b><br>Bleasdale & Co.<br>Carmichael, M. W.<br>Jackson, T.<br>Lloyd, T. H., & Co.<br>Raines & Co.   Sen-Sen Co.<br>Varrick Bros.<br><b>CAMPFOL</b><br>Howards & Sons<br>May & Baker, Lim.<br><b>CSCRA SAGRADA</b><br>Duncan, Flockhart & Co.<br>Evans, Leasher & Webb<br>Ferrie & Co.<br>Galen Manufacturing Co. Lim.<br>Harker, Stagg & Morgan<br>Parke, Davis & Co. | <b>CAPSULES</b><br>Davies, Gibbins & Co.<br>Denoual, Jules<br>Droeg, Wm., & Co.<br>Duncan, Flockhart & Co.<br>Evans, Leasher & Webb<br>Hooper, B., & Co.<br>Lloyd, T. Howard, & Co.<br>Lofthouse & Saltmer<br>Schutze & Co.<br><b>CARBONIC ACID</b><br>Stevenson, H. E., & Co.<br><b>CRENIC ACID GAS</b><br>Carbonic Acid Gas Co.<br><b>CASH TILLS</b><br>Gledhill, G. H., & Sons, Lim.<br><b>CASTOR OIL</b><br>United British Castor Oil Co., Lim.<br><b>CERESINE WAX</b><br>Boehm, Fredk.<br>Shearing, F., & Co.<br><b>CHALK, PRECIP.</b><br>Levermore, Aug., & Co.<br><b>CHEMICALS</b><br>Boehm, Fredk.<br>Boehringers, F., & Sohne<br>Boulton, J., & Co., Lim.<br>Brunner, Mond & Co., Lim.<br>Davy, Hill & Son, Yates & Hicks<br>Evans, Leasher & Webb<br>Farbenfabriken (Bayer & Co.)<br>Goodall, Backhouse & Co.<br>Howards & Sons (Pharm.)<br>Lofthouse & Saltmer<br>Macfarlan, J. F., & Co.<br>May & Baker, Lim.<br>Norrnberger & Co.<br>Oppenheimer, Son & Co.<br>Poppelreuter, W.<br>Reitmeier & Co.<br>Sanitas Co., Lim.<br>Scottish Acid & Alkali Co., Ltd.<br>Shearing, F., & Co.<br>Smith, T. F., & H., & Co.<br>Stevenson, H. E., & Co.<br>Tyrer, T., & Co.<br>Washington Chemical Co.<br>White, A., & Sons<br>Zimmermann, A. & M. | <b>CHECK TILLS</b><br>O'Brien, T.<br>Stokes, G. R., & Co., Lim.<br><b>CHEST PROTECTRS</b><br>Liverpool Patent Lint Co.<br>Lynch & Co., Lim.<br>Maw, S., Son & Thompson<br>Newbery, F., & Sons<br>Schutze & Co.<br>Solport Bros.<br>Wood, Vincent<br><b>CHLOR. OF LIME</b><br>Government Sanitary Co.<br>Hebden, W. C.<br>National Chemical Co.<br>Steele, J. C., & Co.<br><b>CHLORODYNE</b><br>Davenport (Browne's)<br><b>CHLOROFORM</b><br>Duncan, Flockhart<br>Macfarlan, J. F., & Co.<br>Smith, T. F., & H., & Co.<br><b>COCAINE-HYDRO.</b><br>Howards & Sons<br><b>COCA WINE</b><br>Butterburgh, J.<br>Evans, Leasher & Webb<br>French Hygienic Society<br>Harker, Stagg & Morgan<br>Holloway, E. A.<br>Kemp & Son<br>Lorimer & Co.<br>Stephen Smith & Co., T. (Hall's)<br>White, S. B.<br>Wilcox & Co.<br>Wright, Layman & Umney<br><b>COCOA &amp; CHOCOLT</b><br>Cadbury Bros.<br>Caffyn's Malt-Carnis (Bovr 1 Lim.)<br>Fry & Sons<br>Van Houten<br><b>VI-COCOA (Dr. Tibble's)</b><br><b>COLLAPSIBLE TUBES</b><br>Marshall, Lim.<br>Moise, B. F., Lim. |
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**COD-LIVER OIL**

Allen & Hanburs  
Burroughs, Wellcome & Co.  
Outhbert, R.  
Davies, Gibbins & Co.  
Evans, Leecher & Webb  
Evans, Sons & Co.  
Freudenthal & Co.  
Harker, Stagg & Morgan  
Hill, A. S., & Son  
Kemp & Son  
Lothhouse & Saltmer  
Lorimer & Co.  
Moss, J., & Co.  
Morrison, R., & Co.  
Oppenheimer, Son & Co., Ltd.  
Smith, T. & H., & Co.  
Spratt's Patent (Dog Cakes)  
Scott's Emulsion  
Southall, Bros. & Barcay  
Stevenson, H. E., & Co.  
Wright, Layman & Umney

**COMP. MEDICINS**

Allen & Hanburs  
Burroughs, Wellcome & Co.  
Davies, Gibbins & Co.  
Hooper, B., & Co. | Leo & Co.  
Lloyd, T. Howard, & Co.  
Parke, Davis & Co.

**CONCENT. LIQRS**

Bales Bros., & Co.  
Davies, Gibbins & Co.  
Fletcher, Fletcher & Co.  
Lloyd, T. Howard, & Co.  
Oppenheimer, Son & Co.  
Gibson & Son  
Gnest, T., & Co. | Hillaby, J.  
**CORKS**  
Bingrose & Cobb  
**CORN CURES**  
Beecham, T.  
Gardner, C. | Potter & Clarke  
**COTTON WOOL**  
Robinson & Sons (Absorbent)  
**CRSHD LINSSEED**  
Evans, Gadd & Co.  
Mumford, G. S.  
**CYDER**  
Symons, J., & Co., Ltd.

**DENTIFRICES, &c.**

Beecham, T.  
Bronnley, H., & Co.  
Hovenden & Sons  
Jewellery & Brown  
Stevens, P. A.  
Sinton, O., & Co.  
Woods, W. (Arecia Nut)  
**DENTISTRY**  
Browning, A. J.  
Fentiman, A. G.  
Fentiman & Co.  
Spencer & Sons

**"DIMATOS"**

Southall Bros. & Barclay

**DISINFECTANTS**

Delver, F. C., & Co.  
Dasek Bros.  
Fletcher Bros. & Co.  
Formalin Hygienic Co., Ltd.  
Government Sanitary Co.  
Granville, A. G., & Co.  
Hadden, W. C. | "Izal"  
Jeyes' Sanitary Compounds Co.  
Kay Bros., Ltd.  
Kühn, B. (Chinosol, Kresocholine)  
Mackey, Mackey & Co.  
May & Baker, Ltd.  
National Chemical Co.  
"Nestor" Sanitary Fluid Co.  
Read, Holiday & Co.  
Sanitas Co., Ltd.  
Steele, J. C., & Co.  
Tuson & Disinfectants Co., Ltd.  
Tyrer, T., & Co.  
United Alkali Co., Ltd.

**DOG MEDICINES**

Lloyd, T. Howard  
Spratt's Patent, Ltd.

**DRUGGISTS' SUN.**

Ayrton & Sandders  
Barclay & Sons, Ltd.  
Bentley, E., & Son  
Bleasdale & Co., Ltd.  
Burge, Warren & Ridgley  
Currie, Wm., & Co.  
Dadley & Wilkinson  
Cartwright, A. S.  
Evans, Leecher & Webb  
Evans, Sons & Co. (Savars)  
Fordham, W. R., & Sons, Ltd.  
Hovenden & Sons  
Kay Bros., Ltd.  
Marshall, Ltd.  
Maw, S., Son & Thompson  
May, Roberts & Co.  
Molise, B. F., Ltd.  
Newbery, F., & Sons  
Potter & Fackler | Quelch, H. C.  
Sanger & Sons | Schutze & Co.  
Southall Bros. & Barclay  
Tidman & Son | Toogood, W.  
Wood, Vincent

**DRUGS**

Allen, S., & Sons (Grinders)  
Bleasdale & Co., Ltd.  
Davies, Gibbins & Co.  
Dieterich, Eugen | Knhn, B.  
Lothhouse & Saltmer  
Oppenheimer, Son & Co.  
Phillips & Co. (Grinders)  
Poppelreuter, W.  
Stevenson, H. E., & Co.  
Wyley, S., Ltd.

**DYES**

Ayrton & Sandders  
Maypole Soap Co., Ltd.

**EAU DE COLOGNE**

Farine, J. M.  
Grelber, F. J.  
Muhlen, F. | Van Oppen & Co.

**ECZEMA**

Gullwick's Specialities

**ENGRAVERS**

Corsan, J. R.  
**EMBROCATIONS**  
Bow's Liniment  
Day & Sons  
Elliman, Sons & Co.  
Harvey & Co.  
Tuson's Disinfectants Co., Ltd.

**ENEMAS**

Evans, Sons & Co.  
Currie, Wm., & Co.  
Lynch & Co., Ltd.  
Sanger & Son | Wood, Vincent

**ESSENCES**

Boulton, J., & Co., Ltd.  
Bovril, Ltd. (Beef)  
Bratby & Hinchcliffe, Ltd.  
Burgoyne, Burbridge & Co.  
Bush, W. J., & Co.  
Fletcher, Fletcher & Co.  
Goodall, Backhouse & Co.  
London Essence Co.  
May & Baker, Ltd.  
Newhall & Mason  
Stevenson & Howell  
Todd, A. M.  
Tyrer, F. (Anchovies)  
Woolley, Sons & Co.

**ESSENTIAL OILS**

Allen, S., & Sons  
Blackwell, Hayes & Spillsbury  
Boehm, Fredk.  
Bush, W. J., & Co.  
Evans, Sons & Co.  
Frankenstein, S. M., & Co.  
Jackson, J., & Co.  
Jencard, Gazan & Donmin  
Lothhouse & Saltmer  
London Essence Co.  
May & Baker, Ltd.  
Poppelreuter, W.  
Ransom, Wm., & Sons  
Raynaud, Claude, & Co.  
Sanitas Co., Ltd.  
Sozio & Andrioli  
Spurway & Cie.  
Stevenson, H. E., & Co.  
Stevenson & Howell  
Todd, A. M.  
Tombarel Freres  
Treat, R. C. | Warrick Bros.  
Wright, Layman & Umney

**ETHER**

Duncan, Flockhart & Co.  
Howards & Sons  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Robbins, J., & Co.  
Tyrer, T., & Co.  
White, A., & Sons  
Woolley, Sons & Co.  
Wright, Layman & Umney

**EUCALYPTUS OIL**

Drysdale, J. W., & Co.  
Sanitas Co., Ltd.

**EXTRACTION**

Brewers & Mineral Water

**EXTRACT MEAT**

Armour & Co. | Brand & Co.

**EXTRACTS, FLUID**

Allen & Hanburs  
Allen, G., & Co.  
Bleasdale & Co., Ltd.  
Burgoyne, Burbridge & Co.  
Davies, Gibbins & Co.  
Evans, Sons & Co.  
Fletcher, Fletcher & Co.  
Hearon, Squire & Francis  
Hooper, B., & Co.  
Lloyd, T. Howard, & Co.  
Moss, J., & Co.  
Parke, Davis & Co.  
Potter & Clarke  
Ransom, Wm., & Son  
Wright, Layman & Umney

**EXTRACTS, SOLID**

Allen, G., & Co.  
Ransom, Wm., & Son

**FEED BOTTLES**

Burroughs, Wellcome & Co. (Thermo Safe)

**FILTERS**

Berkfield Filter Co., Ltd.  
Mawson Filter Co.  
Evans, Sons & Co.  
Gilbertson, H., & Sons  
Henderson, W. H., & Co.  
Hovenden & Sons  
Kilner Bros.  
Lynch & Co. Ltd.  
Marriott, E., & Co.  
Maw, S., Son & Thompson  
May, Roberts & Co.  
Youldon, F.

**FLY CATCHERS**

Alabastine Co. (British), Ltd.  
Bleasdale, Ltd.  
Ford, Shapland & Co.  
Marshall, Ltd.  
Maw, S., Son & Thompson  
Strong, Christy  
Tunbridge & Wright  
Tyrer, F.

**FOOD (Infants & Invalids')**

Allen & Hanburs  
Beanes & Co. | Benger's Food  
Bovril, Ltd. | Brand & Co.  
Burgoyne, Burbridge & Co.  
Goodall, Backhouse & Co.  
Hawley, T. (Sterilised)  
Horlick & Co.  
Irving, Son & Jones  
Kydd & Co.  
Lazenby & Son, Ltd.  
Liebig Co. | Lorimer & Co.  
Marshall, Ltd.  
Marvine, Ltd.  
Mellin's Food | Nestlé, H.  
Storer & Moore | Tyrer, F.  
Vi-Cocca (Dr. Tibbles)

**GELATINES**

Boehm, F.  
Frankenstein, S. M., & Co.

**GINGER ALE**

Bratby & Hinchcliffe, Ltd.  
Chemists' Aromatic & Mineral  
Water Association, Ltd.  
Ellis & Son | Hay, W., Ltd.  
Miller, B. M., & Co.

**GLUE**

Bratby, A.  
Frankenstein, S. M., & Co.

**GLYCERINE**

Boehm, F. | Fink & Co.  
Price's Candle Co., Ltd.

**GRANULAR PREP.**

Bishop, A., & Sons  
Boulton, J., & Co.  
Davies, Gibbins & Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Hearon, Squire & Francis  
Lloyd, T. Howard & Co.  
Lothhouse & Saltmer  
Tyrer, T., & Co.  
Wright, Layman & Umney

**GUM**

Fink & Co. (Arabic, &c.)

**HAIR PREP.**

Alexandre's Shadeline  
Chesbrough Co.  
Edwards & Co.  
Thidley, E. H.

**HERB BEER EXTS.**

Adams, B.  
Newhall & Mason  
Potter & Clarke

**HOMOPATHIC**

Keene & Ashwell  
Leath & Ross  
Watson & Wates  
**HYPOPHOSPHES**  
Duncan, Flockhart & Co.  
Fellows  
Fletcher, Fletcher & Co.  
Tyrer, T., & Co.

**INHALERS**

Burroughs, Wellcome & Co.  
Krohn & Besemann  
Lynch & Co., Ltd.  
Sanitas Co., Ltd.

**INSECTICIDES**

Barclay & Sons, Ltd.  
Bleasdale, Ltd.  
Fleming's Oil & Chemical Co., Ltd.  
Jackson, T.  
Rudkin's Moth Bricks  
Sandford & Son  
Sanitas Co., Ltd.  
Tunbridge & Wright  
Warrick Bros.

**JELLOIDS**

Warrick Bros.

**KETCHUP**

Tyrer, P.

**LARD**

Ewen, J., & Sons

**LAVERNE WATER**

Jackson, J., & Co.

**LINT**

Burgoyne, Burbridge & Co.  
Christy, T., & Co.  
Liverpool Ltd.  
Maw, S., Son & Thompson  
Newsome, C.  
Robinson & Sons  
**LIQURICE**  
Evans, Sons & Co. (Savarini)  
Frankenstein, S. M., & Co.  
Hillaby, J.  
Lorimer & Co.  
"Solazzi"

**LIQUORS**

Blackwell, Hayes & Spillsbury  
Davies, Gibbins & Co.  
Fletcher, Fletcher & Co.  
Lloyd, T. Howard, & Co.  
Oppenheimer, Son & Co., Ltd.  
Stevenson, H. E., & Co.

**LEECHES**

Fick & Nottingham

**LOZES**

Allen & Hanburs  
Davies, Gibbins & Co.  
Frog in Your Throat  
Gibson, R., & Sons (Manfra.)  
Gnest, T., & Co., Ltd.  
Kirby, H. T., & Co., Ltd.  
Lorimer & Co.  
Raines & Co.  
Warrick Bros.

**LUNG PRESERVES**

Zimmer & Co.

**MACHINERY**

Bennett, Sons & Shears, Ltd.  
Gardner, W., & Sons  
Melin, C. | Pindar, J. W.  
Werner, Pfeiderer & Perkins, Ltd.

**MAGNESIA**

Bleasdale, W. & Co.  
Davies, Gibbins & Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Henry, T. & W. (Calcined)  
Lloyd, T. Howard, & Co.  
Washington Chemical Co.

**MALT EXTRACT, &c.**

Allen & Hanburs  
Anderson & Co.  
Blackwell, Hayes & Spillsbury  
Burroughs, Wellcome & Co.  
Davies, Gibbins & Co.  
Dieterich, Eugen | Knhn, B.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Fletcher, Fletcher & Co.  
Hearon, Squire & Francis  
Lorimer & Co. | Moss, J., & Co.  
Oppenheimer, Son & Co., Ltd.  
Parke, Davis & Co.  
Raines & Co.  
Robinson & Co.  
Standard Malt Extr act Co., Ltd.

**MARKING INKS**

Bond (Daughter of the late John Ink and Pencils)

**MEDICINE CHSTS**

Burroughs, Wellcome & Co.  
Day, Son & Hewitt (Veterinary)  
Day & Sons (Veterinary)

**MENTHOL**

Ayrton & Sandders  
Evans, Leecher & Webb  
Maw, S., Son & Thompson  
Tyrer, P.

**MERCURIALS**

Howards & Sons  
May & Baker, Ltd.  
Tyrer, T., & Co.

**METH. SPIRITS, &c.**

Boord & Son | Burroughs, J.  
Jones & Co. | Phillips, G., & Co.  
Smith, S., & Co.  
Warren, A., & J.

**METHYLENE**

Robbins, J., & Co.

**MICROSCOPES**

Darton, F., & Co.

**MILK**

Hawkesley, T. (Sterilised)  
Horlick & Co.  
Nestlé, H. (Condensed)

**MORPHIA**

Beynon & Co.  
Macfarlan, J. F., & Co.  
Smith, T. & H., & Co.

**OILS, &c.**

Anglo-American Drug Co.  
Calvert Bros. & Co.  
Frankenstein, S. M., & Co.  
(Olive, Nut, & Cottonseed)  
Hooper, B., & Co. (Santalwood)

**OINTMENT**

Burroughs, Wellcome & Co. (Lanoline)

Chesbrough Co. (Vaseline)  
Davies, Gibbins & Co.  
Lloyd, T. Howard, & Co.  
Stevenson, H. E., & Co.  
Wilton & Co., Ltd.

**OPTICIANS**

Botwright & Grey  
Barton, F., & Co.  
Raphaels, J., & Co.  
**OXIDE OF ZINC**  
Hubbuck, T., & Son, Ltd.  
Stevenson, H. E., & Co.

**PALATINIDS**

Oppenheimer, Son & Co., Ltd.

**PASTILLES**

Jackson, T.

**PAT. MEDCNS, &c.**

Anglo-American Drug Co., Ltd.  
Barclay & Sons, Ltd.  
Beecham, T. (Pills)  
Bow, R. (Linctant)  
Clark & Sons (Chemicals)  
"Daisy" Headache Powders  
Edwards & Son  
Evans, Leecher & Webb  
Evans, Sons & Co.  
Fanning (Powders)  
Goodall, Backhouse & Co.  
Guy's Tonic  
Holloway (Pills and Oint.)  
Hovenden & Sons  
Lalor (Phosphorus, &c.)  
May, Roberts & Co.  
Newbery, F., & Sons  
Ready Remedies Co.  
Richards, J. M.  
Rohr & Co.

**PENS**

A. M. Bonner Mfg Co.  
Jewel Pen Co.

**PEPSIN, &c.**

Armour & Co.  
Burroughs, Wellcome & Co.  
Ceresote Limited (Pepsin)  
Kühn, B. (Pepsin Finkler)

**PERFUMERY, &c.**

Newbery, F., & Sons (Inglavin)  
Oppenheimer, Son & Co.  
Parke, Davis & Co.  
Stevenson, H. E., & Co.

**PERFUMERY, FANCY SOAPS**

Barclay & Sons, Ltd.  
Bleasdale & Co.  
Bleasdale & Co., Ltd.  
Brager, L.  
Burgoyne, Burbridge & Co.  
Burroughs, Wellcome & Co.  
Bush, W. F., & Co.  
Carmichael, M. W.  
Chesbrough Co.  
Cook, E., & Co.  
Corbyn, Stacey & Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Ewen, J., & Sons | Farina, J. M.  
Frankenstein, S. M., & Co.  
Hovenden & Sons | Lanoline  
London Essence Co.  
Lynch & Co., Ltd.  
Moise, B. F., Ltd.  
Muhens, F.  
Newbery, F., & Sons (Berdoes)  
Pears, W. F., & Co.  
Potter & Clarke (sachets)  
Price's Patent Candle Co.  
Sainsbury, S.  
Sanitas Co. Soap  
Schantz, E., & Co.  
Sharp Bros. Soap & Perfumery Co., Ltd.  
Sindclair, Jas., & Son  
Tidman & Son | Treat, R. C.  
Truelove, H. P., Ltd.  
Van Oppen & Co.  
Warrick Bros.  
West, T. (Okell's Moss)  
Woolley, Sons & Co. (Powder)  
Wright, Layman & Umney

**PEPPERMINT OIL**

Bush, W. J., & Co.  
Jackson, J., & Co.  
Ransom, W., & Son  
Stevenson & Hewell  
Todd, A. M.

**PEROX. OF HYDR.**

May & Baker, Ltd.  
Robbins & Co.  
Sanitas Co., Ltd.  
Tyrer, T., & Co.

**PESSARIES**

Rendell, W. J.

**PETROLEUM JELLY**

Allen & Hanburs  
Christy, T., & Co.  
Dee Oil Co., Ltd.  
Snowdon, Sons, & Co. (Jelly)

**PHARM. PREPS.**

Allen & Hanburs  
Armour & Co. | Bales Bros.  
Barron, Harveys & Co.  
Boehm, Fredk.  
Boehringer, C. F., & Sohns  
Boutton, J., & Co., Ltd.  
Burgoyne, Burbridge & Co.  
Burroughs, Wellcome & Co.  
Davies, Gibbins & Co.  
Dieterich, Eugen  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Evans, Leecher & Webb  
Evans, Sons & Co.  
Ferre & Co.  
Fletcher, Fletcher & Co.  
Hearon, Squire & Francis  
Hewlett & Son  
Howards & Sons  
Kahn, B.  
Lothhouse & Saltmer  
Macfarlan, J. F., & Co.  
Mackey, Mackey & Co.  
May & Baker, Ltd.  
Moss, J., & Co.  
Oppenheimer, Son & Co., Ltd.  
Parke, Davis & Co.  
Potter & Clarke  
Richards, J. M.  
Roberts & Co.  
Smith, T. & H., & Co.  
Squire & Sons  
Stevenson, H. E., & Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Woolley, Sons & Co.  
Wyley, S., Ltd.  
Zimmermann, A. & M.

**PHOTOGRAPHIC, X RAY, &c.**

Barclay & Sons, Ltd.  
Boehm, Fredk.  
Botwright & Grey  
Burroughs, Wellcome & Co.  
Butcher, W., & Son  
Cox, H. W.  
Darton, F., & Co.  
Evans, Sons & Co.  
Howards & Sons (Chemicals)  
Lockyer, J. E.  
Mackey, Mackey & Co.  
Maxwell, Bayes & Co.  
Baphael, J., & Co.  
Reynolds & Branson  
Ross, Ltd.  
Thornton-Pickard Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Zimmermann, A. & M.

**PILL MACHINES**

Bennett, Sons & Shears  
Pindar, J. W.  
Toogood, W. (Coater)

**PILLS, Coated, &c.**

Allen & Hanburs  
Beecham, Thomas  
Bleasdale & Co., Ltd.  
Box, W. H.  
Cox, Arthur H., & Co.  
Davies, Gibbins & Co.  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Hearon, Squire & Francis  
Hill, A. S., & Son | Holloway  
Kirby, H. T., & Co., Ltd.  
Lloyd, T. Howard, & Co.  
McKesson & Robbins  
Parke, Davis & Co.  
Ray's Medicine Co.  
Scottish Sugar-coated Pill Co.  
Scott's, Dr.  
Wand, S. (Pearl Coated)  
Warner, W. R., & Co. (Coated)  
Wyley, S., Ltd.

**PINE PRODUCTS**

Reichenhall Syndicate, Ltd.

**PLASTERS**

De St. Dalmas, A.  
Evans, Sons & Co.  
Seabury & Johnson  
Solperts Bros. (Coast)

**POLISHING**

Bradley & Bourdas (Albatum)  
Diamond Emery Co.  
Fordham, W. R., & Sons, Ltd.

**POULTRY FOOD**

Spratt's Patent, Ltd.

**PRINTING**

Bowers Bros.  
Corsan



### ANNET

Duncan, Flockhart & Co.  
Lorimer & Co.  
Miller & Co.  
Tomlinson & Hayward

### RUBBER GOODS

Powell & Barstow  
SALICIN  
Maclean & Co.  
Smith, T. & H., & Co.

### SALICYLIC ACID

Burgoyne, Burdidge & Co.  
Zimmermann, A. & M.

### SAUCES, PICKLES

Goodall, Backhouse & Co.  
Maw, S., Son & Thompson  
Tyler, P.

### SCHOOLS, &c.

Central (Edinburgh)  
City of London College  
City School (Skerry's)  
Davis, F.  
Davies, A. H.  
Glasgow School (Lothian)  
Glasgow School (T. Mackenzie)  
Liverpool School  
Metropolitan Col. of Pharmacy  
North of England School  
Northern College of Pharmacy  
Royal Dispensary (Edinburgh)  
Sheffield College of Pharmacy  
South London School of Pharmacy, Ltd.  
South West London Polytechnic  
Westminster College

### SCIENTIFIC INSTRUMENTS

Darton & Co.

### SEA SALT

Tidman & Son, Ltd.

### SEEDS

Brook, Parker & Co.  
Potter & Clarke  
Spratt's Patent, Ltd. (Bird)

### SEIDLITZ POWDERS

Davies, Gibbins & Co.  
Hors & Co. | May, Roberts & Co.

### SELTZOGENES

Brathby & Hinchliffe, Ltd.  
May, Roberts & Co.

### SERUM

Green, R. W., & Co.

### SHAVING

Hovenden & Sons (Exeter)  
Lloyd, A. & Co. (A. S. Lloyd's Exeter)

### SHEEP DIP

Fletcher Bros & Co.  
Harescough & Co.  
Jeyes' Sanitary Compounds Co.  
Kuhn, B. (Kresochine)  
Santitas Co., Ltd.

### SHOP FITTERS

Bowling & Gowler  
Bygrave, J. & W.  
Evans, Sons & Co.  
Josephs, C., & Co.  
Josephs, Philip  
Treble, G., & Son  
Yates, W. S.

### SOAP

Ayrton & Saunders  
Blondeau et Cie. (Vinolia)  
Bronnley, H., & Co.  
Cook, E., & Co.  
Crawshaw, E., & Co.  
Crosfield, J., & Sons, Ltd.  
Frankenstein, S. M., & Co.  
Gibbs, D. & W. (Medicated)  
Huggins' Soap Works, Ltd.  
Jameson, W. (Arsenical)  
Jeyes' Sanitary Compounds Co.  
Mackenzie, D. (Arsenical)  
Maypole Soap Co., Ltd.  
Muhlen, F.  
Pears, A. & F., Ltd.  
Sanitas Co., Ltd.  
Sharp Bros. Soap, &c., Co., Ltd.  
Sinclair, J., & Son  
Tidman & Son  
Wright, Layman & Umney

### SPECTACLES

Botwright & Grey  
Darton, F., & Co.  
Raphael, J., & Co.

### SPONGES

Cohen, I. & M.  
Cresswell Bros. & Schmitts  
Peterson, M., & Co.

### STARCH

Critchley (Gloss)  
Hebden, W. C.

### STEEL BARRELS

Iron and Steel Plant Co., Ltd.

### STOPPERS

Austin & Co. (Sprinklers)  
Barnett & Foster | Mellin, C.  
Patent Stopper, Box, and  
Stamping Co., Ltd.  
Stipendium Stopper Co., Ltd.

### STOVES

Clark, S., & Co., Ltd.

### SUGAR

Globe Sugar Refining Co.  
Macfie & Sons

### SUGAR OF MILK

Boehm, Fredk.

### SURGICAL

Accrington Surgical Appliance Co.  
Ayrton & Saunders  
Bailey, W. H., & Son  
Barclay & Sons, Ltd.  
Burgoyne, Warren & Ridgley  
Burgoyne, Burdidge & Co.  
Eichmann Bros. & Walsh  
Farris & Co.  
Galen Manufact'g Co., Ltd.  
Haywood, J. H.  
Ickringill's Hygienic Cloth  
Syndicate, Ltd.  
Krohne & Besemann  
Liverpool Patent Lint Co.  
Lynch & Co., Ltd.  
Macfarlan, J. F., & Co.  
Manson, R.  
Matto, Ltd.  
Maw, S., Son & Thompson  
Oppenheimer, Son & Co.  
Powell & Barstow  
Quelch, H. C.  
Robinson & Sons  
Sanitas Co., Ltd.  
Schutze, F., & Co.  
Wood, Vincent  
Woodruff, T.

### SYRUPS

Barnett & Foster  
Brady & Hinchliffe, Ltd.  
Chemists' Aerated and Mineral  
Waters Association, Ltd.  
Gerant, E., & Co.  
Idrie & Co., Ltd.  
Kliner Bros. | Mellin, C.

### SYRUPS

Beckett, W., Sons & Co.  
Fletcher, Fletcher & Co.  
(Liquors)  
Stevenson & Howell  
Volcanic Aeration Co.

### TABLETS

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Davies, Gibbins & Co.

### TEA

Tower Tea, Ltd.

### TEETH

Fraser, R. D., & J. B.

### TEETHING PADS

Cartwright, A. S.  
Marriott, E., & Co.

### TINCTURES

Blackwell, Hayes & Spillsbury  
Davies, Gibbins & Co.  
Evans, Sons & Co.  
Hewlett, C. J., & Son  
Lloyd, T. Howard, & Co.  
Moss, John, & Co.  
Parke, Davis & Co.  
Wyleys, Ltd.

### THERMOMETERS

Ayrton & Saunders  
Bailey, W. H., & Son  
Darton, F., & Co.

### TOBACCO & CIGARS

Albert Levy & Thomas  
Singleton & Cole, Ltd.

### TOILET

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Ayrton & Saunders  
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Crosfield, J., & Sons, Ltd.  
Dee Oil Co., Ltd.  
Hovenden & Sons  
Lynch & Co., Ltd.  
Malcolm & Co.  
Maw, S., Son & Thompson  
Molise, R. F., Ltd.  
Peacock's Ovaline Soap Co.  
Quelch, H. C.  
Sanitas Co., Ltd. (Co., Ltd.)  
Sharp Bros. Soap & Perfumery  
Southall Bros. & Barclay  
Squire & Sons  
Tidman & Son, Ltd.  
Townsend, J. (Paper)

### TOOTH PASTE

Beecham, T.  
Jewsbury & Brown  
Maw, S., Son & Thompson  
Parke, Davis & Co.  
Sutton, O., & Co.  
Woods, M. (Areca)

### TRUCKS

Rothschild & Baker

### VACCINATION

Maw, S., Son & Thompson  
Vaccine Association (Lymph)

### VALUERS AND TENSER AGENTS

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Crocker, G. B., & Co.  
Ferguson & Osborne  
Orridge & Co.  
Tomlinson, Thos., & Son

### VANILLA

Pavia, Felix

### VASELINE

Chesebrough Co.

### VETERINARY

Bird & Storey  
Day & Sons  
Day, Son & Hewitt  
Ellman, Sons & Co.  
Harvey & Co. | Leng, A., & Co.  
Lloyd, T. Howard, & Co.  
Rookledge, F. E.  
Sanitas Co., Ltd. | Spratt's (Dogs)  
Walker, Troke & Co.

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Grumble & Co.

### VINOLIA Superfett'd

Blondeau et Cie.

### WEED KILLER

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Allen, S., & Son | Dales Bros.  
Barron, Harveys & Co.  
Bleasdale & Co., Ltd.  
Brook, Parker & Co. (Botanic)  
Burgoyne, Burdidge & Co.  
Bush, W. J., & Co.  
Corbyn, Stacey & Co.  
Davies, Gibbins & Co.  
Davy, Hill & Son, Yates & Hicks  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Evans, Leacher & Webb  
Farris & Co. | Graf, F.  
Goodall Backhouse & Co.  
Harker, Stagg & Morgan  
Hearon, Squire & Francis  
Hewlett & Son  
Kemp, Wm., & Son  
Lloyd, T. Howard, & Co.  
Lothhouse & Balmter  
Macfarlan, J. F., & Co.  
Potter & Clarke  
Raines & Co.  
Raines, Clark & Co.  
Smith, B. A., & Co.  
Stevenson, H. E., & Co.  
Taylor & Colledge  
Willows, Francis & Bntler  
Woolley, Jas., Sons & Co.  
Wright, Layman & Umney  
Wyleys, Ltd.

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Burroughs, J.  
Coleman & Co., Ltd.  
French Hygienic Socy.  
Goodall, Backhouse & Co.  
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Phillips, G., & Co. | Robinson, B.  
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Stevenson, H. E., & Co.  
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# WM. R. WARNER & CO., PHARMACEUTICAL CHEMISTS.

SIXTEEN INTERNATIONAL PRIZE MEDALS AWARDED.

Only "Grand Prix" awarded to any American Exhibit in Group 13 (Chemical Industries), Antwerp, 1894



Bromide of Sodium with Caffeine, in the Granular form. Very carefully and evenly made. Invaluable in Brain Fatigue arising from Overwork, etc. The *Lancet* (August 6, 1887, p. 265) states that "the Sodium compound does, in fact, agree better (than the potassium salt), with some stomachs."

Unequalled in their medicinal properties or in SOLUBILITY. Each pill will produce the effects expected, and an experience of thirty years, coupled with unremitting care and study, has enabled the manufacturers to achieve RESULTS OTHERWISE UNATTAINABLE.

## COUNTER VASES OF PILLS, &c.

Elegant Counter Vases, of four different patterns and sizes. Prices from 4/10 upwards including 1,000 Pills. See full details in Warner's Price List.

"No. 120" is an "all round" Antibilious or Liver Pill which has found universal favour.

|                                                |           |               |            |
|------------------------------------------------|-----------|---------------|------------|
| R. Podophyllin, 1 gr.; Ext. Colocynth, 1 gr.;  | Per 1,000 | Per Stopped   | Per Bottle |
| Pv. Soc. Aloes, 1 gr.; Pv. Scammony, 1 gr.;    | in Plain  | Vase, with    | (Bulk)     |
| Pv. Saponis, 1-8 gr.; Ext. Hyoscyami, 1-8 gr.; | Bottle    | painted glass | of 5,000   |
| Gingerine, 1-8 gr. Dose, 2 to 4.               | 4/-       | label, 6/4    | 17/6       |
|                                                |           |               | 34/2       |

The essential principle of the gizzard, and bearing the same relation to poultry that pepsin does to the higher animals. Where pepsin refuses to act, and where, in severe cases, it has even been rejected by the stomach, Ingluvine has rapidly effected relief. Per oz. Bottle (stamped), 4/6. Supplied unstamped, and in 4-oz. bottles (also in lentiforms) for Dispensing.

British Depot—F. NEWBERRY & SONS (Established over 150 years).

1 & 3 KING EDWARD STREET, NEWGATE STREET, LONDON, E.C.

Complete Catalogue, with Formulae, free on demand. Newberry's Annual Catalogues also contain full Details of these Preparations.

# IDRIS ROYAL TABLE WATERS

*Are made by Chemists for Chemists.*



## Chemists

should remember that Idris & Co. do **not** supply Grocers, Stores, or Private Customers.

## Idris & Co.

make their own Syphons, and guarantee absolute purity of all materials employed. Metallic contamination is an impossibility.

## Chemists

will find Idris Royal Table Waters a valuable leading line, which, unlike leading lines in general, bear a substantial profit—and attract customers.

## Idris & Co.

give their customers every assistance in increasing their sales, by means of handsome Advertisement Tablets, Circulars, and Samples to Medical Men.

## Chemists

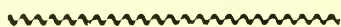
not already selling these well-known Waters should apply for Samples and Price Lists.

## Idris & Co.

are the largest Syphon Fillers in the World.

## Chemists

are invited to inspect Idris & Co.'s Factories.



## ***IDRIS & CO., LTD.***

**CAMDEN TOWN, LONDON; & SOUTHAMPTON.**



# TO CHEMISTS WHO ARE INTERESTED IN THE SYPHON TRADE.

---

It is a well-recognised fact amongst Makers in the Syphon branch of the Mineral Water trade, that the retailers of highest standing and best class are the Chemists. Naturally, therefore, a Maker who wants to do a Syphon trade will do all he can to secure Chemists as his *first* customers, for by inducing them to stock his goods he hopes to lend a certain air of respectability to his business.

CAMWAL warns brother Chemists who are not yet members against acting the part of the cat's-paw, decoy, or lever, whereby manufacturers introduce their Waters to the public, and asks them the following important questions :—

1. Have those Chemists who exhibit the advertisements of other firms considered that similar advertisements are being shown by other Retailers?
2. Cannot all Chemists see the mistake of advertising an article of which they have no monopoly, when they can advertise one which is their own?
3. What guarantee have they that, after wasting time and trouble in establishing a sale for any particular Water, the same Water is not already or will not at some future time be supplied to neighbouring Grocers, Wine Merchants, Chandlers or Public Houses?
4. Why do not all Chemists join "**CAMWAL**," who by their Memorandum of Association are bound NOT to supply "**CAMWAL**" Waters to Retailers other than Chemists for all time?

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**Head Offices : 45 GIFFORD ST., CALEDONIAN RD., N.**

**Works : LONDON, MANCHESTER, BIRMINGHAM, BRISTOL, HARROGATE & MITCHAM.**

HIGHEST AWARD AT THE INTERNATIONAL EXHIBITION, LONDON, 1886.  
TRADE MARK, Registered May 21st, 1887.MILD DRINKS.  
Cherry, Raspberry, Strawberry,  
Lime Fruit, Black Currant,  
Lemon, Orange, Lemon Squash, &c.

THE PIONEER TEMPERANCE BEVERAGES—*Gh. Eng. Temp. Chron.*

**BECKETT'S**

**FRUIT SYRUPS & CORDIALS**

HOT DRINKS.  
White Wine, Gingerale, Ginger,  
Lemon, Peppermint, Clove,  
Elderberry, Cherry Punch, &c.

"First-class beverages."—*The Grocer*.  
"Have an established reputation."—*Noncon-*  
*formist*.

"Delicious beverages."—*Scottish Good Templar*.  
"Beckett's Fruit Syrups are not to be excelled."  
—*Anti-Adulteration Review*.

"Exceedingly pleasant."—*The Rock*.  
"Invigorating and refreshing."—*Manchester*  
*Courier*.

Price Lists and other information sent post free on application to the Manufacturers—**W. BECKETT, SONS & CO., Heywood, Manchester.**  
Wholesale and Export Agents—**BARCLAY & SONS (LIM.), 95 Farringdon Street, E.C.**; **W. EDWARDS & SON, 157 Queen Victoria Street, E.C.**;  
**J. SANDER & SONS, 2 Winsley Street, Oxford Street**; **J. WOOLLEY, SONS & Co., Manchester**; **GOODALL, BACKHOUSE & Co., Leeds, &c., &c.**

# Rosbach

**NATURAL  
SPARKLING  
TABLE  
WATER.**

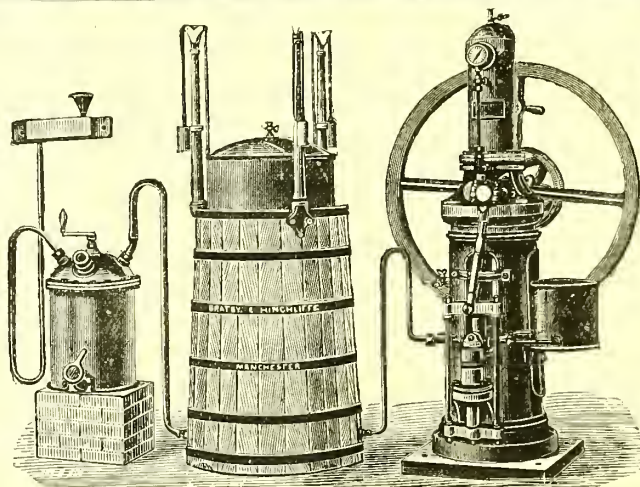
SELLS READILY  
AND LEAVES  
A GOOD PROFIT.

Quarts, Pints, and Splits. Liberal Discount to Chemists. ROSBACH SPRINGS, LIM., 19 Regent St., S.W.

## SODA WATER MACHINERY,

**STEAM  
AND HAND  
FILLING  
MACHINES**

Write for  
Catalogue, Post Free on  
Application.



**ESSENCES,  
SYPHONS,  
BOTTLES,  
BOXES.**

Samples and Prices on  
Application.

## BRATBY & HINCHLIFFE,

LIMITED.

Head Office SANDFORD ST. ANCOATS MANCHESTER. 145 MINORIES LONDON E.C. NEW YORK SYDNEY &  
Also at 81. ROBERTSON ST. GLASGOW.



# BARNETT & FOSTER

MANUFACTURERS.

## The "COMPACT"

CONTINUOUS ACTION

# Soda=Water Machine

For use with the Liquefied Carbonic Acid Gas.

Specially designed for use where space is an object, and for those having a large retail trade, such as Chemists, Hospitals, Restaurateurs, Hotel Proprietors, &c. They are ready for work immediately, require no fixing, and produce Aërated Waters of the very highest quality at a minimum of cost.

We guarantee to produce a better article with these than any other system adapted for using the Liquefied Gas, and at a lower pressure, thus effecting an immense saving in bottles, and also reducing risk of accidents.

.....

**NO DANGER.**

**NO MESS.**

**PERFECTLY RELIABLE.**

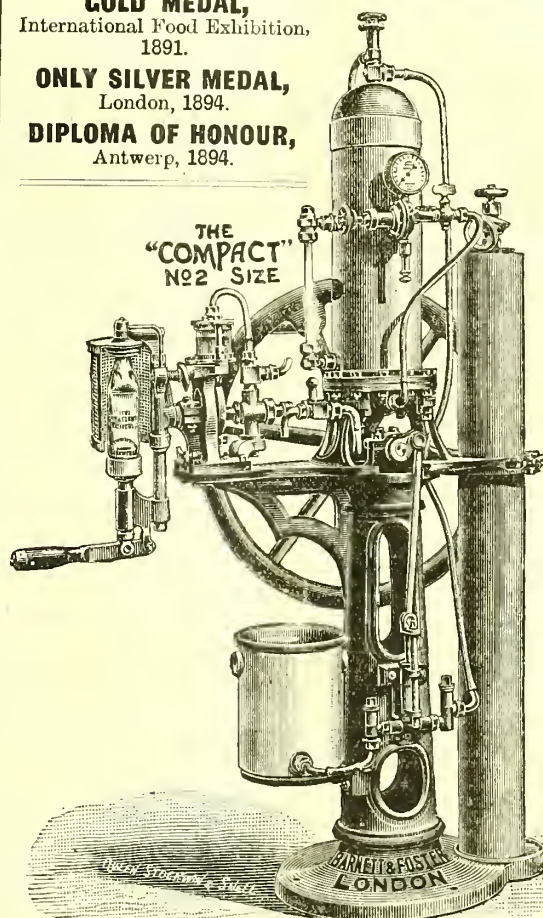
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*In use by  
Leading Chemists in all  
parts of  
the United Kingdom.*

**GOLD MEDAL,**  
International Food Exhibition,  
1891.

**ONLY SILVER MEDAL,**  
London, 1894.

**DIPLOMA OF HONOUR,**  
Antwerp, 1894.



**No. 1 Size,** complete with Turnover and Syphon-filling Machine, and fitted with fast and loose Pulleys for driving by Power. Code word *Supremacy*. **£60**

*Two Fillers included.*

Producing Capacity by Hand-power 600 dozen per day.

Ditto, by Power, 1,200 dozen per day.

**No. 2 Size,** complete with Turnover and Syphon-filling Machine. Code word *Royalist*. **£48**

*Two Fillers included.*

Producing Capacity by Hand-power 350 dozen per day.

Ditto by Power, 700 dozen per day.

**No. 3 Size,** complete with Turnover or Syphon-filling Machine. Code word *Retailer*. **£33**

Producing Capacity by Hand-power 200 dozen per day.

Syrup Pump fitted to the Turnover Filling-machine on either of above (*Injecto*) £2 extra. If fitted with one Filling-machine only, the two largest Machines are charged £3 less than above prices.

*Sole Inventors and Manufacturers of the*

## "Niagara" Bottle and the London-made Syphon

**KNOWN ALL OVER THE WORLD.**

.....

*Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.*

**Niagara Works, 26<sup>T</sup> EAGLE WHARF ROAD, LONDON, N.**



# ROBINSON'S ORIGINAL CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

|                                |             |                    |             |                         |             |
|--------------------------------|-------------|--------------------|-------------|-------------------------|-------------|
| Aqua Amygd. Amar. Conc. (U.S.) | 4/- per lb. | Aqua Cassia Conc.  | 4/- per lb. | Aqua Ment. Virid. Conc. | 4/- per lb. |
| " Anethi, Concent.             | 4/- "       | " Flor. Aurant...  | 8/6 "       | " Pimentæ               | 4/- "       |
| " Anisi                        | 4/- "       | " Sambuci Conc...  | 8/6 "       | " Pulegii               | 4/- "       |
| " Camphoræ                     | 4/- "       | " Fœniculi Conc.   | 4/- "       | " Rosmarini             | 4/- "       |
| " Carui                        | 4/- "       | " Ment. Pip. Conc. | 4/- "       | " Rosæ                  | 8/6 "       |
| " Cinnamon. Ver. Conc.         | 6/- "       | " Ang. Conc.       | 6/- "       | " Virgin.               | 10/6 "      |

The above may be had in ½-lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

## SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.).

Samples of any of the above sent free on application from

B. ROBINSON, Distiller and Brewer of British Wines, Church Street, PENDLETON, MANCHESTER.

## SYMONS & CO.'S Devonshire Cyder & Wines

*Specially prepared for the Home & Export Trades.*

BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.

### CYDER IN WOOD.

|                                     | Per Gall. |
|-------------------------------------|-----------|
| Imperial Cyder (Specially prepared) | 19        |
| Apple and Blossom Cyder             | 16        |
| Champagne Cyder                     | 14        |
| Sweet Draught                       | 13        |
| Medium Draught                      | 13        |
| Superior Dry Draught                | 12        |
| Symonia (Non-Alcoholic)             | 10        |
| Sydrina (Non-Alcoholic)             | 10        |

Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

### Terms, Delivery, &c.

A Discount of 2½% will be allowed for Cash with Order. Accounts sent out Monthly.

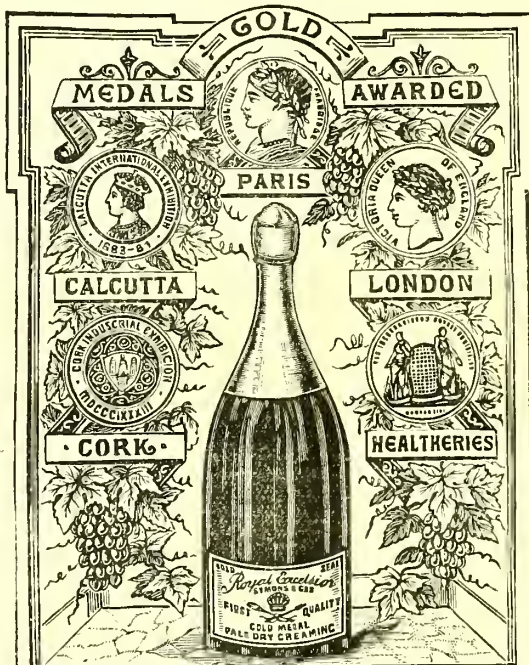
Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

Symonia and Sydrina in ½-pints, Cases of 3 dozen.

Sparkling Wines, 1 dozen Large, or 2 dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.



J. & C. SYMONS & CO. LTD.  
TOTNES & DEVON,  
& RATCLIFF, LONDON E.

### CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid.  
Per Doz. Bottles s. d.

|                                                      |      |
|------------------------------------------------------|------|
| Imperial Cyder (Extra Dry). Gold Foil.               | 10 0 |
| Apple and Blossom Cyder (Sweet or Dry). Silver Foil. | 7 6  |
| Champagne Cyder (Medium Dry). Red Label.             | 6 6  |
| Symonia (Non-Alcoholic) ½-Pts.                       | 3 0  |
| Sydrina (Non-Alcoholic) do.                          | 3 0  |
| Imperial Perry                                       | 10 6 |
| 2/- extra per Two Dozen Half-Bottles.                |      |

### "ROYAL EXCELSIOR" SPARKLING WINES.

|                                           |      |
|-------------------------------------------|------|
| Pale Dry Creaming (Champagne Style).      | 21 0 |
| Devonshire Chablis                        | 15 0 |
| Devonshire Hock                           | 15 0 |
| Devonshire Moselle (English Rhine Brand). | 24 0 |

3/- extra per Two Dozen Half-Bottles.

Symonia and Sydrina are the best Temperance Drinks of the day, and may be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing in Wood, thus saving the extra Carriage, &c.

### Instructions for Storing, &c.

On receipt of the case of Cyder, unpack, and stand the bottles in an upright position in a cool cellar of from 50 to 55 degrees temperature, to settle down, and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition, and will come out an effervescent, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. Wines must be laid down.

TRADE DISCOUNTS ON  
APPLICATION.

FRUIT MILLS, TOTNES, DEVON, ENGLAND.



# Hunyadi János

Known, after 25 years' test in the United Kingdom, as the most popular, safest, and best Natural Aperient Water, is now being supplied through the Distributing Wholesale Houses all over Great Britain and Ireland, at prices fixed by the Proprietor, Mr. Andreas Saxlehner, of Budapest, Hungary, which are as follows:—

|                               |             |                     |            |             |  |
|-------------------------------|-------------|---------------------|------------|-------------|--|
| Per Case of 25 large bottles, | <b>22/6</b> | .....               | Per dozen, | <b>12/-</b> |  |
| „ „ 50 small „                | <b>35/-</b> | .....               | „ „        | <b>10/-</b> |  |
| „ „ 25 large „                | <b>21/-</b> | } Per 10-case lots. |            |             |  |
| „ „ 50 small „                | <b>32/-</b> |                     |            |             |  |

For net cash.

London Agency—TRAFALGAR BUILDINGS, CHARING CROSS, W.C.

## FOR PURE LIQUEFIED Carbonic Acid Gas

APPLY TO

The CARBONIC ACID GAS CO. or The CARBONIC ACID GAS CO.

LEA BRIDGE ROAD, CLAPTON,

POLLARD ST. EAST, ANCOATS,

**LONDON,**

**MANCHESTER.**

.....

### NEWCASTLE-ON-TYNE.

Our New Works at Newcastle-on-Tyne are now in course of erection.

# HALL'S WINE

***SELLS READILY.***

~~~~~  
PROTECTED PROFIT 25%

~~~~~  
Advertising matter free upon application  
to the proprietors—

**STEPHEN SMITH & CO.**

(LIMITED),

BOW, LONDON.



# MARIANI WINE

PROTECTED MINIMUM RETAIL PRICE,  $\frac{1}{2}$  doz. Bots. for **20/-**, or **3/6** per single Bottle.

In original cases of 6 dozen, **£10 4s. Od.** net cash,  
with 3 per cent. discount off 6 case lots.

# SANTAL MIDY.

PROTECTED MINIMUM RETAIL PRICE, **3/6** per Bottle.

MINIMUM WHOLESALE PRICE, **33/-** per dozen or part of dozen.

In 12 dozen lots, **£18** net cash.

**WILCOX & CO., 83 Mortimer Street, LONDON, W.**  
**GABRIEL JOZEAU, 49 Haymarket, LONDON, S.W.**

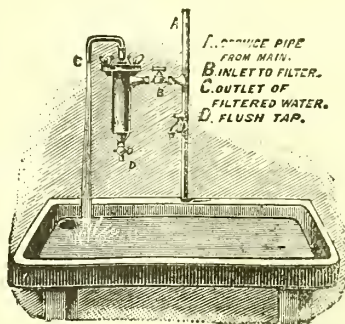
# THE BERKEFELD FILTER.

"These Filters represent the greatest progress made in the construction  
of Filters during the last 10 years."—DR. PLAGGE.

In the Berkefeld Filter the filtering medium is in the form of hollow cylinders or candles of various sizes, made of Kieselguhr, a substance which, on account of its enormous porosity, consisting, as it does, of the silicious skeletons of diatoms, is an ideal filtering medium.

The advantages claimed for the Berkefeld Filters are:—

- 1.—They are simple in construction, and can be easily cleaned and sterilised.
- 2.—The filtrate is absolutely free from any suspended matter and from germs, provided proper attention is paid to regular cleaning and sterilising.
- 3.—They give an output of sterile filtrate from **5 to 10** times larger than any other germ-proof filter.



|                                              |        |        |
|----------------------------------------------|--------|--------|
| FILTER (as sketch) to attach to service-pipe | ... .. | £2 2 0 |
| Smaller size                                 | ... .. | 1 5 0  |
| Glass Table Filters from                     | ... .. | 0 8 9  |

Chemists will find these Filters a profitable line, and one they can confidentially recommend to their customers.

Counter Filters specially adapted for Chemists doing a trade in Saline and Summer Drinks.

NO MINERAL WATER PLANT  
COMPLETE WITHOUT A

**Berkefeld Filter.**

**FULL ILLUSTRATED LIST AND TRADE TERMS ON APPLICATION.**

CORRESPONDENCE AND VISIT TO SHOWROOMS INVITED.

**THE BERKEFELD FILTER CO., LIMITED, 121 OXFORD STREET, LONDON W.**



# PRINCE ALBERT'S CACHOUX

HIGHEST AWARD COLUMBIAN EXPOSITION, CHICAGO, 1893.

These Cachoux are supplied only  
in Brass Boxes, of which there  
are three sizes.

No. 4's at 3/6 doz. (Export).  
No. 5's at 4/- doz. (Home Trade).  
No. 6's at 7/- doz.

SUBJECT TO TRADE DISCOUNTS.

All Labels, Titles, and Trade Marks registered in Europe and America

## "BENZINE RECT." JACKSON'S.

SIXPENNY & SHILLING SIZES,  
4s. and 8s. per dozen.

A Genuine  
Benzol.

**JACKSON'S CEMENT**  
*It has stood the test of time in all quarters of the globe.*  
**Chinese Diamond.**  
In Bottles at 3/6 and 7/- per dozen.

ADHESIVE,  
TENACIOUS  
AND KEEPS WELL.

## JACKSON'S LIQUID GLUE.

SIXPENNY and SHILLING Sizes, at 3/6 and 7/- per doz.  
BRUSHES INCLUDED. (B)

SPECIALITIES FROM THE LABORATORY OF THOMAS JACKSON, Strangeways, MANCHESTER.

## BUNSEN'S BUTTER COLOURING.

Sweetest and Purest Colouring  
made, without taste or smell, and  
the most perfect tint. Made on  
our own premises. Cheaper and  
better than any foreign colouring.

MANUFACTURED ONLY BY  
**E. CRAWSHAW & CO.**  
80 Fann St., Aldersgate St.,  
LONDON, E.C.

In Bottles, 6d., 1/-, and 2/6.  
Also packed in Bulk, Tins, Drums,  
or Casks.  
Directions in any Language.  
Prices on Application.

## A. MILLAR & CO., LTD., DUBLIN. PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia.

## NEW PATENT AIR-TIGHT CHEMIST JAR.

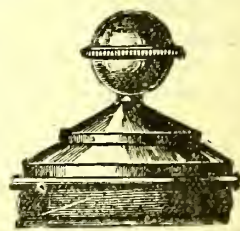


A slight turn of the knob presses the indiarubber Band against  
the glass, and renders the vessel absolutely air-tight. The Stopper  
is made of pure Nickel, of handsome shape.

INVALUABLE FOR SHOW BOTTLES, CHEMISTS, CONFECTIONERS, ETC.  
Samples and Prices of all Chemists' Sundriesmen.

**C. MELIN,**

37 CRUTCHED FRIARS, MARK LANE, E.C.



Section of the Nickel  
Stopper when closed.



SIX GOLD MEDALS and ONE SILVER  
MEDAL awarded.  
HIGHEST AWARD at CHICAGO.

# COLEMAN'S WINCARNIS

OR

## LIEBIG'S EXTRACT OF MEAT & MALT WINE

Is a delicious beverage and tonic made from  
Port Wine, Liebig's Extract of Meat, and  
Extract of Malt.

## WINCARNIS

Is a New Name Registered to prevent fraudulent imitations.

## OVER FIVE THOUSAND

Unsolicited Testimonials have been received from  
Medical Men.

The following Important Testimonial has  
been received from Dr. FLETCHER:—

Applecross, Ross-shire, N.B.,  
July 2nd, 1897.

DEAR SIRS,—Please forward quarter-of-a-dozen "Win-  
carnis" immediately, as my patient's supply is about done.

I trust there will be no delay, as he takes no other  
nourishment, and has been sustained and gained strength  
by "Wincarnis" for twelve weeks.

Yours faithfully,  
DUNCAN FLETCHER, L.R.C.P.

## WINCARNIS

Is sold by all Druggists, Wine Merchants, and Patent-medicine  
Vendors. Ask for Coleman's "Wincarnis," or Liebig's  
Extract of Meat and Malt Wine, and see that the word  
"Wincarnis" is on the shoulder of the bottle.

Sold in Bottles, 2s. 9d. and 4s. 6d., everywhere.

If there is any difficulty in getting the Wine, write direct to  
the manufacturers, who will forward

Sample Pint Bottle free by Post on receipt of 33 stamps.  
" Doz. " " Rail " 30s.

SOLE MANUFACTURERS:

## COLEMAN & CO., LIMITED,

WINCARNIS WORKS,

LOWER WESTWICK STREET, NORWICH;  
AND 24 CRUTCHED FRIARS, LONDON, E.C.

Sole Proprietors of "Osmazon," the New Beef Tea, Coleman's Crown  
Imperial Invalid Stout, and also Coleman's Crown Imperial Invalid Cham-  
pagne, which is strongly recommended by the Medical Faculty.

Under certain conditions the cost of a Foreign  
Wine Licence will be defrayed. For full par-  
ticulars apply to COLEMAN & CO., LIMITED,  
Wincarnis Works. NORWICH.



AND OTHER

## AERATED TABLE WATERS.

W. A. ROSS & SONS, LTD.  
BELFAST.

Only ONE in each Town.

WINE LICENCES.—We pay the licence for our agents; we give  
33½ discount, sample doctors, bill towns, give sole agency and  
newspaper advertisement; one agent sold 48 doz. in eleven months; send  
for circular; secure agency White's Gold Medal Ooza Wine. S. B. White,  
A. Ph S., Leicester.

Why not YOU?

## SELTZOGENE CHARGES

("MINERAL" BRAND).

A NEW DEPARTURE.

TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 883).

British Materials. Inorganic. No Field for Germ Growths.  
BETTER. STRONGER. CHEAPER.

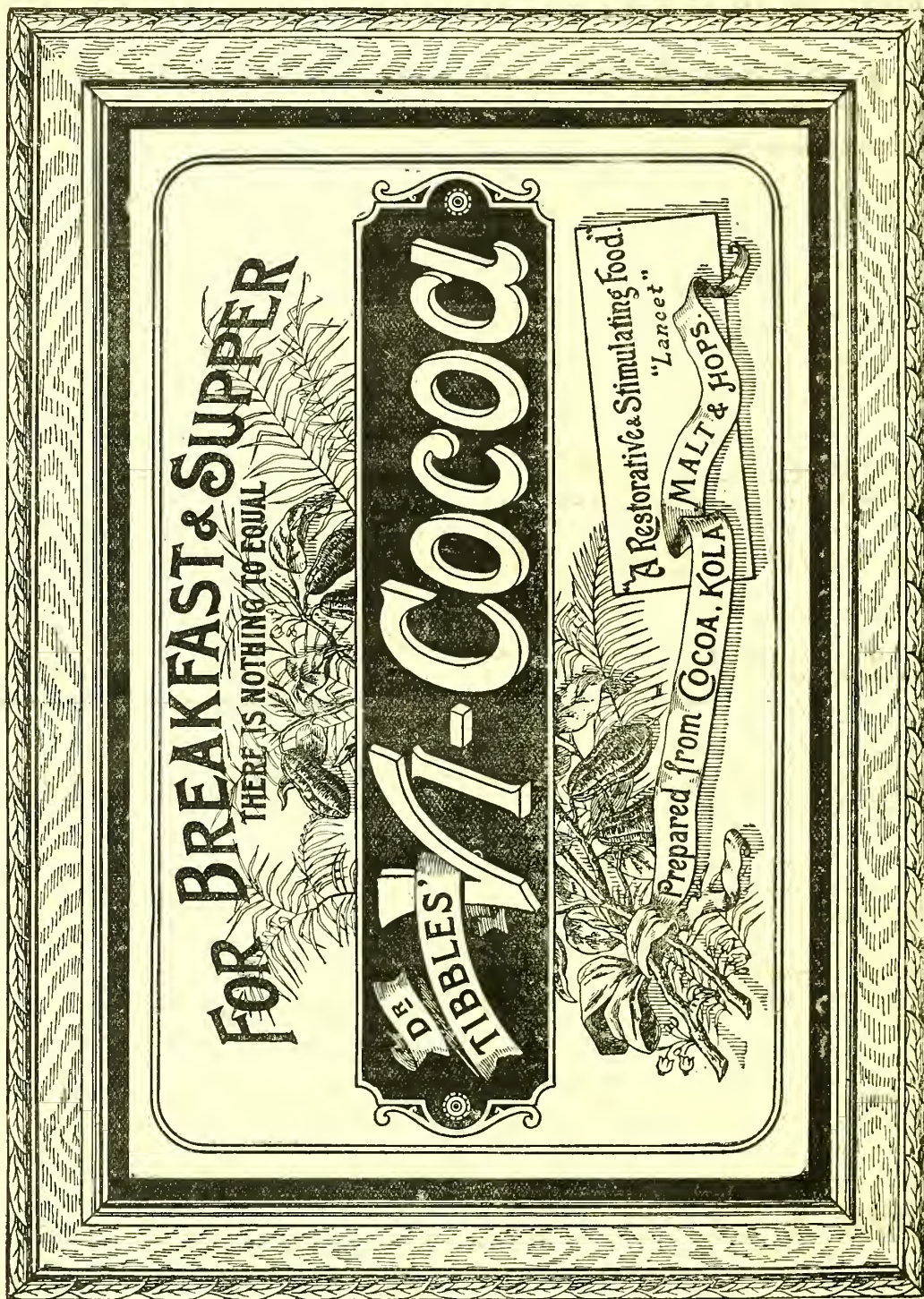
THE SELTZOGENE PATENT CHARGES CO.  
ST. HELENS.



Have you received particulars of our Special Winter Advertising Offer to Customers?

REDUCED SKETCH OF FRAMED SHOWCARD No. 1.

(See Special Winter Advertising Offer, now being posted to the Trade.)



The original of this Engraving (size 21 in. by 29 in.) is printed in eight colours, and artistically framed. An ornament to any window or counter.

(See Special Winter Advertising Offer, now being posted to the Trade.) AVAILABLE UNTIL OCTOBER 1st, 1897.

If not, please write (a postcard will do) and a copy will be forwarded by return of post. Address—

**DR. TIBBLES' V-Cocoa** Ltd.,

60, 61, & 62 Bunhill Row,

LONDON, E.C.





**Write for Special Winter Advertising Offer.  
Available until October 1st, 1897.**

***A Firm*** which introduces customers

to your establishment by widely advertising  
a preparation of recognised merit, and, at  
the same time,

***Offers***

**A Profit**  
***Of Nearly***  
**20%**

Deserves your co-operation and support.

**THE** inducements hereby offered to stock Dr. TIBBLES' VI-COCOA  
are exceptional, and are worthy of your consideration.

**Dr. Tibbles' Vi-Cocoa, Ltd.,**

60, 61, and 62 BUNHILL ROW,  
LONDON, E.C.

. . . . .

[2]

Write for Special Winter Advertising Offer, available until October 1st, 1897.

# DR. TIBBLES' VI-Cocoa

## The Wholesale Price.

RETAIL PRICE.

PER DOZEN.

|                                  |     |     |      |
|----------------------------------|-----|-----|------|
| 6d. Packets (Two Dozen in a box) | ... | ... | 5/-  |
| 9d. Tins (Two Dozen in a box)    | ... | ... | 7/6  |
| 1/6 Tins (One Dozen in a box)    | ... | ... | 15/- |

## Discounts.

5 per cent. Discount on Orders up to £5.

7½ per cent. Discount on Orders for £5 and upwards.

Terms—Cash within 7 days.

Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3½ to 6½ per cent. better than can be obtained from any other source, whilst the merits of DR. TIBBLES' VI-COCOA are far greater than any other similar preparation in the world.

## Limit of Cutting.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of DR. TIBBLES' VI-COCOA has been fixed as under:—

|                                                                    |      |
|--------------------------------------------------------------------|------|
| 6d. Packets to be sold at not less than                            | 5½d. |
| 9d. Tins           ,,           ,,           not less           ,, | 8½d. |
| 1/6 Tins           ,,           ,,           not less           ,, | 1/4½ |

*Full Prices to be obtained wherever possible.*

## Furthermore,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

## Nearly 20 per cent. Profit.

As the prices of DR. TIBBLES' VI-COCOA, and our rules as to "cutting," permit of profit to Chemists and Grocers, on outlay, of nearly twenty per cent. on direct buying, free of deductions for carriage, etc., we solicit the immediate and universal stocking of DR. TIBBLES' VI-COCOA.

As we pay carriage on Orders value £2 and upwards, it will not be possible to obtain the advantage of the exceptional discounts we offer unless our ruling as to the "Cutting of Price" is complied with.

Read the foregoing, send your order to

DR. TIBBLES' VI-Cocoa Ltd.,

[3]

60, 61, and 62 BUNHILL ROW, LONDON, E.C.

*and obtain your fair share of the profits that are daily being made by our customers everywhere.*



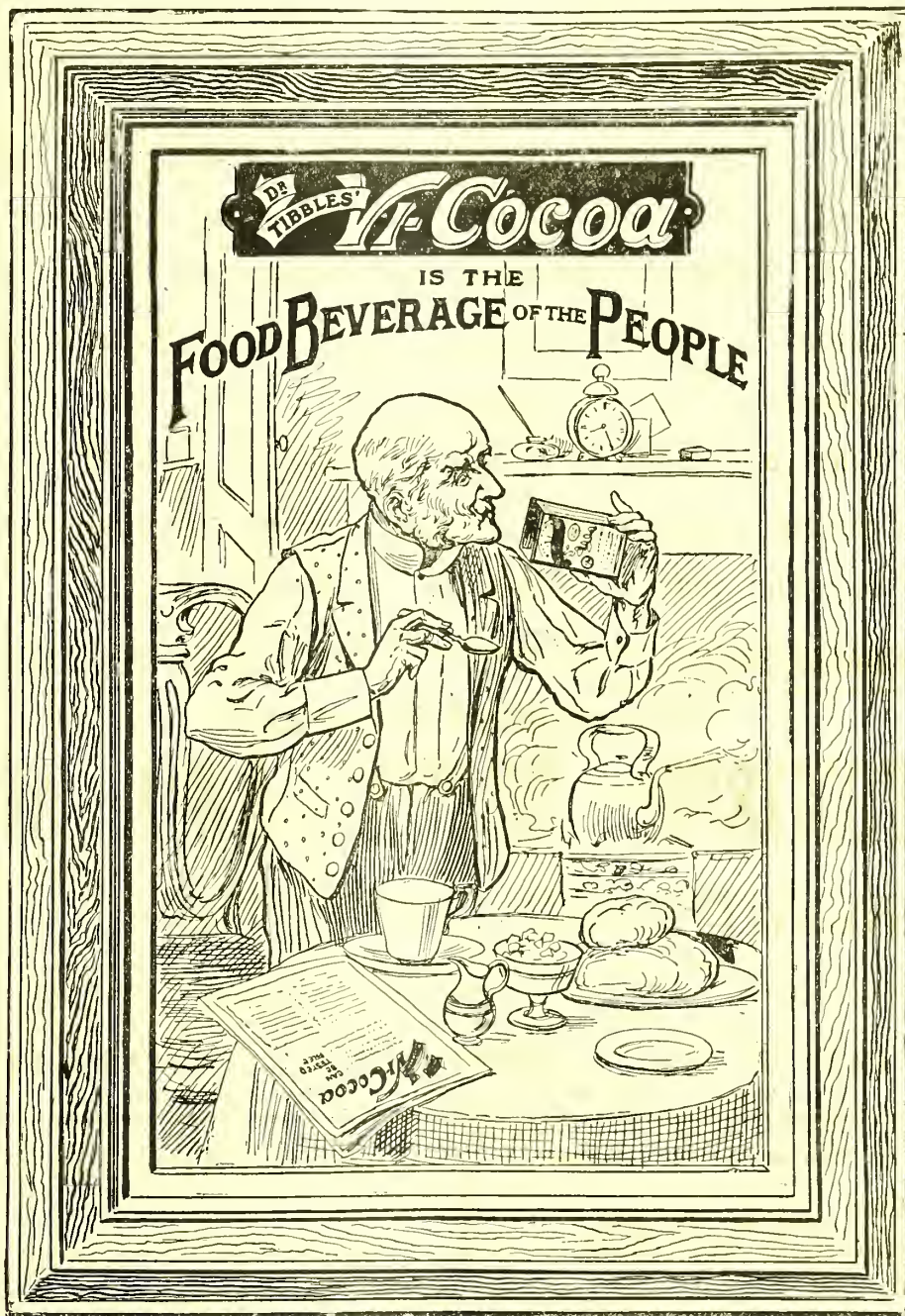
## Reduced fac-simile of Offer No. 2.

*(See Special Winter Advertising Offer, now being posted to Customers.)*

FREE ADVERTISING IN LOCAL NEWSPAPERS.

Write for particulars (a postcard will do),

Dr. TIBBLES' VI-COCOA, Ltd., 60, 61, and 62 BUNHILL ROW, LONDON, E.C.



FREE ADVERTISING IN LOCAL NEWSPAPERS.

Write for particulars (a postcard will do),

Dr. TIBBLES' VI-COCOA, Ltd., 60, 61, and 62 BUNHILL ROW, LONDON, E.C.

The original of this engraving (size  $13\frac{1}{2}$  by 19) is a beautiful specimen of Chromo-lithography, in twelve colours, elegantly framed, and worthy of being given a good position in any establishment.

Available until October 1st, 1897.

[4]

**"THE LANCET"** (July 3rd, 1897) on

## VAN HOUTEN'S COCOA.

"In a recent analysis which we have made, the results distinctly indicate the advantage of VAN HOUTEN'S PROCESS of manufacture. Thus this Cocoa yields a decoction containing a maximum proportion of the valuable food constituents of the bean, and what is of more importance still, these are presented in a condition more easy of assimilation and digestion than in Cocoa not so prepared."

## CONCENTRATED PEPTONISED COCOA AND MILK AND CONCENTRATED PEPTONISED MILK.

These two preparations are made with pure rich PRE-DIGESTED Country Milk, and, by mere dilution with hot water afford a delicious restorative beverage, the assimilation of which requires no digestive effort.

**SAVORY & MOORE, LONDON.**

Tins, 2/6. Half-tins (samples), 1/6. Obtainable Everywhere.

OVER 200 GOLD MEDALS AND DIPLOMAS.

**FRY'S**  
*Pure Concentrated*  
**COCOA**

*None richer in flesh-forming and invigorating constituents.*

## SEASONABLE ARTICLES

All these articles are popular summer beverages, and are put up in suitable bottles attractively finished off.

### LIME JUICE CORDIAL AND LEMON SQUASH.

Reputed Pints, per doz.—CORDIAL, 4/3. LEMON SQUASH, 4/3.  
Quarts, " " 6/9 " " 6/9  
Per Gallon " " 2/- " " 2/-

Also in Flat Flasks, Square Stoppered Bottles, and Handsome Decanters.

PURE WEST INDIA LIME JUICE (Filtered Bright). Per gall, 2/6.

GRANULAR EFFERVESCENT CITRATE OF MAGNESIA. Per cwt., 66/- and 74/-. Also in small Bottles.

EFFERVESCENT SUMMER SALINE. Per cwt., 85/- 8-oz. bottles, 6/9; 16-oz. bottles, 12/- per dozen.

PERSIAN SHERBET (Lemon Kali). Per cwt., 33/- and 36/-. Also in 1 and 2 lb. Bottles and Tins.

Prepared under the superintendence of a duly qualified Analytical Chemist.

FULL PRICE LIST (ILLUSTRATED) ON APPLICATION.

**CHAS. SOUTHWELL & CO., Dockhead, LONDON, S.E.**



# PETER TYRER'S SAUCES

WORCESTER, READING, HARVIE, YORKSHIRE, AND "BOROUGH" KETCHUP.

SILVER MEDAL.

|                                         | Per gross. | Extra quality. |                                                   | Per gross. | Extra quality. |
|-----------------------------------------|------------|----------------|---------------------------------------------------|------------|----------------|
| 1d. Sample Bottles, dozen parcels .. .. | 5/3        | 6/3            | 1/2 Bottles, flat or round, reputed half-pints .. | 16/-       | 25/-           |
| 1d. " 1/2-gross boxes .. ..             | 5/9        | 6/9            | " " " pints .. ..                                 | 26/-       | 38/-           |
| 1d. " 1/2-gross boxes .. ..             | 6/6        | 8/6            | 1 Pint "Imperial", round stoppered bottles ..     | 52/-       | 62/-           |
| " " 1/2-gross boxes .. ..               | 7/-        | 9/-            | 12 1/2-Gallon Casks (casks free) .. .. each       | 20/-       | 32/-           |

## ROYAL CAFE SAUCE, a Rich Fruity and Exquisite Flavour.

Square Glass Stoppered Bottles, containing nearly 1/2-pint Imperial, 42/- per gross. Sample Bottles at 7/- per gross.

MANUFACTORY — 30 SOUTHALL PLACE, LONG LANE, BOROUGH, LONDON, S.E.  
CHIEF SCOTCH AGENCY — West Nile Street, GLASGOW.



# TOWER TEA.

The Best and the Cheapest in the World at the Price.

In 1/2, 3/4, and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/8, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

**TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.**

WELL ADVERTISED.  
IN POPULAR DEMAND.

## A MEAL



## FINGER-TIP

Registered.

## MARVINE GELOIDS

THE NEW CONCENTRATED

### FOOD AND DRINK TABLETS

FOR TRAVELLERS, CYCLISTS, ATHLETES, DYSEPTICS, INVALIDS, AND CONVALESCENTS.

Are leaping into popularity, and are being stocked by all Wide-awake Chemists.

**WALTERS** won the Catford Gold Vase Cycle Race, beating world's record, sustained entirely by **MARVINE GELOIDS**, and writes for more—

6d., 1s., and 2s. 9d. per box.

TRADE TERMS, SHOW CARDS, AND COUNTER BILLS ON APPLICATION

Manufactured by

**MARVINE, L<sup>D</sup>., 28 ELDON ST., LONDON, E.C.**

# HILLABY'S HIGH-CLASS LIQUORICE.

SUPPLIED IN HANDSOME ENAMELLED TINS.

Opinions of **FREDERICK DAVIS, Esq., B.Sc.**, Member of the Society of Chemists, Newington College of Chemistry, 26 and 28 Newington Causeway, London, S.E.

"Liquorice Wafers of singular purity, consisting of Liquorice extract and Pectin, possessed of very delicate flavour; and I am further of opinion they are especially adapted for children and others requiring the demulcent and emollient principles of the liquorice plant in a palatable and convenient form."

"Liquorice Pellets having the following percentage composition:

Extractive 87, Water 13 = 100, and containing no foreign colouring matter of any kind; and I am further of opinion the extractive is that obtained from the plant *Glycyrrhiza glabra*, and that the "Pellets" are exceptionally rich in the active principle glycyrrhizin, which by its demulcent and soothing properties to the vocal organs should prove of especial value to public orators and members of the dramatic profession; being of small size, they may be easily carried in the pocket."

"Liquorice and Malt Lozenges which upon chemical examination prove to consist of the finest extract of liquorice combined with malt extract, the latter exceptionally rich in diastase, rendering these lozenges of great value both as a nutritive and demulcent agent; and I am also of opinion a better preparation of Liquorice and Malt cannot be obtained, it being a palatable, nutritious, and compact sweetmeat. These lozenges should be of especial value to public speakers, singers, Members of Parliament, and others requiring a sustaining and demulcent combination during lengthy speeches or dramatic recitals."

WRITE FOR SAMPLES AND PRICES TO

**JOHN HILLABY, LION WORKS, PONTEFRAC.**

# BURGOYNE'S

TRADE



MARK.

*Cooked Standardised Malted*

## INFANTS' AND INVALIDS' FOOD IN BULK.

Special Quotations for quantities.

Put up in tastefully decorated tins to retail at  
1s., 8s. doz.

Customer's own Name and Address printed on  
1 gross free of charge.

---

## Burgoyne, Burbidges & Co.

12 & 16 Coleman Street, LONDON, E.C.



# RIDGE'S PATENT COOKED FOOD

SATISFYING.  
STRENGTHENING.  
SOOTHING FOR INFANTS.  
AGREEABLE.  
DIGESTIBLE.  
NOURISHING.

**DR. RIDGE'S  
PATENT COOKED FOOD**  
Is certified to contain all the  
essentials of a Pure Dietary  
necessary to secure a healthy  
and natural development of  
bone and muscle, a vital  
necessity to growing infants  
and a comfort to all.

**DR. RIDGE'S FOOD** is the  
Oldest, Best, Most Widely-  
known, and has the  
**LARGEST SALE** in the  
World.

**SOLD  
EVERYWHERE.**

The public are  
cautioned against  
all imitations.



"Makes them strong to push along."

Pamphlets and Showcards Post Free on application to  
**RIDGE'S FOOD MILLS, LONDON, N.**

# BOVRIL.

## What it is!

**BOVRIL** is Beef, the entire lean of the Best  
Beef procurable. Not the Forty Pounds Weight of Beef  
which would have to be eaten before the nourishment con-  
tained in One Pound of Bovril could be imparted to the  
system, but Forty Pounds of the prime parts obtained from  
the finest selected Cattle reared in Australia and South  
America, concentrated by a special process, rendering it  
the most perfect form of strengthening, stimulating, easily  
digestible nourishment in the smallest possible bulk.

## INVALID BOVRIL

Is specially prepared for use in the Sick Room. It is put up  
in porcelain jars and sold by Chemists and Druggists only;  
and it differs from ordinary Bovril in being more concen-  
trated and quite devoid of seasoning, and is relished and  
retained by Invalids when ordinary food and stimulants are  
rejected.

**BOVRIL, LTD., Food Specialists, LONDON.**

Chairman—RT. HON. LORD PLAYFAIR, K.C.B., LL.D.

# BRAND & CO.'S MEAT JUICE.

IN BOTTLES,  
Price 28/- per dozen,  
Less the usual discount.

To H.R.H. The Prince of Wales, The Empress of Germany, &c.

## BRAND & CO'S.

### SPECIALTIES FOR INVALIDS!

CONCENTRATED  
BEEF TEA, VEAL,  
MUTTON & CHICKEN BROTHS;  
TURTLE SOUP & JELLY, CALF'S FOOT,  
JELLY, MEAT LOZENGES

ESSENCES  
OF BEEF &  
MUTTON  
VEAL  
& CHICKEN

SOLE ADDRESS, 11 LITTLE STANHOPE STREET, MAYFAIR, W.

# NESTLÉ'S Condensed SWISS MILK.

**THE RICHEST IN CREAM.**

**PERCENTAGE OF BUTTER FAT.**

Six Samples of NESTLÉ'S MILK bought at random at six different shops, and analysed by Mr. OTTO HEHNER, late President of the Society  
of Public Analysts, contained AN AVERAGE OF

**13.13 per Cent. of BUTTER FAT.**

Sample Tins sent free to the Medical Profession on application to HENRI NESTLÉ, 48 Cannon Street, London, E



# Harvey's Horse Remedies

**HARVEY'S ACONITE POWDERS,**  
For Chronic Cough, Broken Wind, Roaring, &c.

**HARVEY'S WORM AND CONDITION POWDERS.**

**HARVEY'S WATTS' EMBROCATION**  
or Curb Bottle.

**HARVEY'S WATTS' RED LOTION,**  
For Wounds.

**HARVEY'S HAIR RESTORING OINTMENT.**

**HARVEY'S EDOS,** or Tasteless Purging Powder.

These Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of Private Horse Owners in the United Kingdom and abroad.

FULLY DESCRIBED IN  
"THE HORSE OWNER'S  
HANDY NOTE BOOK."

96 PAGES. POSTED FREE.

Illustrated Pamphlets, and also Neat Booklets with Chemist's name on, supplied on application.

For Trade Prices see the Lists of the Wholesale Houses, or write for Cash Price List to the sole Proprietors,

**HARVEY & CO.**  
8 Bachelor's Walk,  
DUBLIN.

Telegraphic Address—  
"REMEDIES, DUBLIN."

## SHEEP DIPS. For "Information Wanted,"

WRITE TO **B. B. HARESCEUGH & CO.,** Wellington St., LEEDS,

Who supply Chemists with any of the following preparations packed in their own name:—

Arsenical Powder Dip; Arsenical Paste Dip; Non-Pols. Paste Dip and Fluid Dip; Horse and Cattle Washes; Paste and Fluid; Maggot Lotion; Mange Liniment; Dog Soap; Carbolic Powder; Carbolic Acid; Carbolic Soft Soap.

DISINFECTANTS, BOTH POWDERS AND FLUIDS, IN BULK. PRICES ON APPLICATION. ESTABLISHED 1860.

**SPONGE IMPORTERS.**

**M. PETERSON & CO.**

6 HOUNDSDITCH, LONDON.

FOR HOME FOREIGN, & COLONIAL MARKET

**BUYERS' GUIDE,**

See pages 35-37.

# DAY, SON & HEWITT.

*Largest Makers in the World of*  
**HORSE AND CATTLE MEDICINES.**



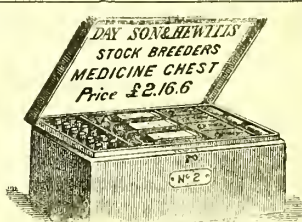
For Kicks, Cuts, Bruises, Sore Withers, Swellings, Strains of Ligaments and Tendons, Saddle Galls, &c. It rapidly relieves Straining and Painful after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2/6, 3/6, and 7/- per Bottle.



For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and checking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of milk Fever.

Price (Cows), 13/- per doz. box;  
(Ewes), 3/6 per doz. 3-doz. box, 10/-



Complete in 3 sizes. Sent Carriage Paid.  
Prices—  
£6 6s., £2 16s. 6d., and £1 8s. 9d.

**Liberal Discounts to Agents  
and Foreign Buyers.**

**Trade Terms and full particulars  
on application.**

**Attractive Showcards and Handbills  
sent with each order.**



A sure remedy for the Fret, Colds or Gripes, Influenza, Loss of Appetite in Horses. For Debility, Scour, or Diarrhoea in Horses, Cattle, and Sheep, Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.



For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Off-Appetite, Staring Coat, and Sluggishness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug and can be given at all times to all breeds of horses without stopping their work.

Price 5/6 per doz. Packets; 3-doz. 15/-  
Sold also at reduced rates in Tins 10/8 and £1 each.

**Royal Animal Medicine Manufactory, 22 DORSET STREET, LONDON, W. [Established 1833.]**



# DID YOU SEND FOR OUR



Containing over 100 Leading Sell-  
at-Sight Lines, including

TOOTH PASTE, CREAMS (TOILET),

**PERFUMERY,**

Beautifully got up (Triple Essences),  
that sell at once,

and

INCREASE YOUR CUSTOMERS,

AND

**Show 100 per cent. profit.**

**SPECIAL.**

We print your Name and Address  
with specially designed Labels

(works of art),

supply Show Stands gratis, and  
push your trade for you.

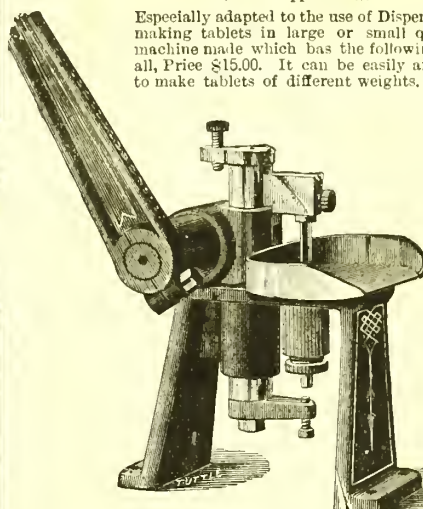
Send Postcard for List to

**MARSHALLS', LTD.**

27 Red Lion Square, LONDON, W.C.

## THE LITTLE DIAMOND TABLET MACHINE

(Patent applied for).



Especially adapted to the use of Dispensing Pharmacists for making tablets in large or small quantities. The only machine made which has the following features:—First of all, Price \$15.00. It can be easily and instantly adjusted to make tablets of different weights.

It can be easily and instantly adjusted to make tablets of different density or thickness. It makes tablets rapidly of uniform size and weight. The tablet is ejected from the die automatically. There is no sticking of the dies. It is both strong and powerful, and consequently it is impossible for it to get out of order. It is easily understood, and a boy can operate it as well as a man. Each machine furnished with two sets of dies—one for a Five-Grain Tablet and one for a Ten-Grain Tablet.

Other Sizes furnished to order.

Height 8½ in.; Weight 10 lbs. . . . \$15.00 each net.

Complete Book of Formulas & full directions with each Machine.

**FOX, FULTZ & CO.,**

SOLE MANUFACTURERS,

31 Warren Street, NEW YORK, U.S.A.

NOTE.—Send for free copy of our DRUGGISTS' SUNDRYMAN, which contains full descriptions and Prices of large line of Druggists' Sundries, including many new and valuable labor-saving devices for Retail and Manufacturing Pharmacists.

LEADING HOUSE IN THIS LINE IN THE UNITED STATES.

## WILEY'S CHEMICAL ESSENCE

FOR

**Lameness in Horses**

HANDBILLS, with NAME and ADDRESS,  
SUPPLIED GRATIS.

**50 YEARS' UNBROKEN SUCCESS.**

SOLE MAKER AND PROPRIETOR:

**FRANCIS E. ROOKLEDGE,**

CHEMIST,

**EASINGWOLD, YORK.**

TO BE HAD OF USUAL WHOLESALE HOUSES.

# THE UNITED ALKALI CO., L<sup>D</sup>.

## LIVERPOOL.

### CHLORINE AS A DISINFECTANT.

**"CHLOROS,"** Hypochlorite of Soda, containing 10 per cent. available Chlorine.

The presence of 1 part "Chloros" in 100 parts of Sewage will entirely destroy all germs of Cholera, Typhoid, Diphtheria, Swine Fever, Glanders, and of many other diseases.

The presence of 1 part "Chloros" in 10,000 parts of ordinary Sewage will completely remove all smell.

**"CHLOROS"** is a liquid; it yields no insoluble residue, and cannot stop up drains.

**"CHLORIDE OF LIME,"** containing 35 per cent. available Chlorine.

*The Cheapest of True Disinfectants.*

**"SANITARY CHLORIDE OF LIME,"** containing 15 per cent. available Chlorine.

**"SANITARY CHLORIDE OF LIME"** is especially prepared for Sanitary purposes.

**"SANITARY CHLORIDE OF LIME"** does not become wet or sloppy on exposure to the air, and can be handled with impunity.

Sole Agents for "Chloros" & "Sanitary Chloride of Lime" to Chemists & Druggists in the United Kingdom,  
**Messrs. EVANS, SONS & CO., LIVERPOOL.**

## DUSSEK BROS. & CO.

MANUFACTURERS OF

### SANITARY FLUID

Of all strengths, soluble in water to any extent, forming a milky solution.

### CARBOLIC ACIDS

Crude and pale, of all strengths.

### CARBOLIC POWDERS

All Colours, containing 5%, 10%, 15% genuine Carbolic Acid. Packed in Casks, Bags, and Tins of all sizes.

### PATENT 'SANO' FLUID

A superior Disinfectant for Hospital and indoor use.  
Soluble in Water.

COAL TAR & ROSIN PRODUCTS,  
GREASES, OILS, VARNISHES, DUBBIN, AND  
PITCH of all kinds.

**DUSSEK'S WHARF, VERNEY ROAD, S.E.**

Telegrams "DUSSEK LONDON."

Telephone No. 8,232.



**CAMPHORTAR**

**8/- per Gross.**

**CAMPHORTAR**



A combination of Camphor, Eucalyptus, and Coal Tar. A powerful Disinfectant, Deodoriser, Insect Destroyer, and Air Purifier.

## CAMPHORTAR

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

## HEBDEN'S CHLORIDE OF LIME

IN  
AIRTIGHT, ODOURLESS, WATERPROOF PACKETS  
Retains the Chlorine and keeps the Powder dry longer than any other packet.

4 oz., 8/- gross; 8 oz., 16/- gross; 16 oz., 30/- gross.

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES  
Samples on application.

Manufactured only by

**W. C. HEBDEN, HALIFAX, YORKSHIRE.**



# PURE INSECT POWDER

**GUARANTEED** THIS SEASON'S CROP FROM CLOSED FLOWERS.

**BEETLE POWDER.**—As supplied to the leading Hotels, Clubs, and Restaurants throughout the Kingdom.

**CAMPHYLENE TOOTH POWDER.**

**ENGLISH LAVENDER SMELLING SALTS.**

**CAMPHYLENE SMELLING SALTS.**

**FLEMINGS' "LAVENDER BOUQUET."**—The great success of the season. Unrivalled for its delicious and delicate odour.

*Ch mists will do well to ask for our List of Specialities for Christmas trade.*

**CAMPHYLENE DISINFECTANT PREPARATIONS**, as recommended by the Medical Profession.

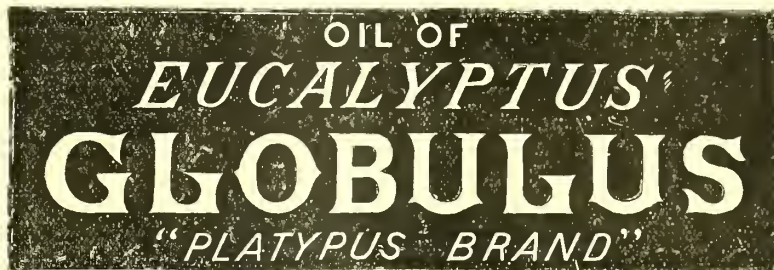
**AMMONIATED  
CAMPHYLENE CREAM.**

{ A preparation of unequalled value for the Toilet, Bath, and General Purposes. It is an entirely novel and unique preparation, possessing great stimulating and invigorating properties.

Chemists should Stock these. They are an attraction and set-off to the Counter or Show Case.

*Procurable through all Wholesale Houses, or direct from the Sole Manufacturers—*

**FLEMING'S OIL AND CHEMICAL CO., LIM., 101 LEADENHALL STREET, E.C.**



## TASMANIAN EUCALYPTUS OIL CO.

138 LEADENHALL STREET, LONDON, E.C., and HOBART, TASMANIA.

|                                                                                                          |                                                                                                                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Airtight & Odourless                                                                                     | <b>STEELE'S</b>                                                                                                           | Avoid Imitations.                                                                   |
| <b>SAMPLES &amp; PRICES<br/>ON APPLICATION.</b><br>In $\frac{1}{4}$ , $\frac{1}{2}$ and 1lb.<br>PACKETS. | <b>PATENT) CONTAINING (PACKETS</b><br><b>CHLORIDE OF LIME</b><br><b>J. C. STEELE &amp; CO., Victoria Street, GLASGOW.</b> | <b>SPECIALLY SUITABLE<br/>FOR EXPORT.</b><br>Will keep for years<br>in any climate. |



TRADE MARK  
REGISTERED.

All Orders by Post receive immediate attention.

### LEECHES!

Warranted Healthy.  
Wholesale and for Exportation  
Direct from Marshes.

**FITCH & NOTTINGHAM,**

LEECH BREEDERS,  
4 CANONBURY SQUARE, LONDON, W.

**For CLEANING PLATE.**

**BRADLEY & BOURDAS'S**

**ALBATUM or WHITE ROUGE**

(REGISTERED AS A TRADE MARK)

For CLEANING GOLD, SILVER, and PLATED GOODS.

A trial is only needed to prove its superiority over other Plate Powders in use. Chemists will find it to their advantage to recommend this Powder, as when it is once tried it is always continued to be used.

Sold in Boxes at 1s. and 2s. 6d. Tins, 6s.

**6 PONT ST., BELGRAVE SQ., & 48 BELGRAVE RD., LONDON, S.W.**



# JEYES' FLUID

## A TRUE GERMICIDE & DEODORISER.

Somewhat less refined than **CREOLIN**, the virtues of which are  
**RECOGNISED BY MEDICAL AUTHORITIES ALL OVER THE WORLD.**

# Feyes' Fluid and its Preparations

SHOULD BE RECOMMENDED BY THE CHEMIST EVERYWHERE WHO DESIRES TO SUPPLY ONLY RELIABLE ARTICLES

(ABBREVIATED).

### Retail Prices

| TRADE PRICES |           | TRADE PRICES |           |
|--------------|-----------|--------------|-----------|
| <i>q</i>     | <i>d.</i> | <i>q</i>     | <i>d.</i> |
| 0 6          | ..        | 4 0          | per doz.  |
| 1 0          | ..        | 7 0          | "         |
| 3 8          | ..        | 2 8          | each      |
| 6 0          | ..        | 4 6          | "         |
| 11 6         | ..        | 8 6          | "         |
| 23 6         | ..        | 20 0         | "         |
| 55 0         | ..        | 38 6         | "         |
| Per gall.    |           |              |           |
| 5 0          | ..        | 3 6          | per gall. |
| 1 1          | ..        | 8 6          | per doz.  |

|   |                                             |    |    |   |   |          |
|---|---------------------------------------------|----|----|---|---|----------|
| 1 | Each Canisters, in boxes of 1, 2, or 3 doz. | .. | .. | 7 | 0 | per doz. |
| 0 | " " " " " "                                 | .. | .. | 4 | 0 | "        |

(Also in Casks and Bags.)

No. 1 QUALITY.—In 1-lb. Bars, papered.  
In 1-cwt. Boxes .. .. . 29 0 per cwt.  
(Also in Small Packages.)

In 1-cwt. Boxes .. .. . 23 0 per cwt.  
(Also in Small Packages.)  
In 3-lb. Bars, 2s. per cwt. less.

Elegant Tablets for the Toilet, of finest quality, containing the Antiseptic Properties of "Jeyes' Fluid."

| Per box |    | Properties of "Jeyes' Fluid."              |    | Trade Prices |    |
|---------|----|--------------------------------------------|----|--------------|----|
| s.      | d. |                                            |    | s.           | d. |
| 1       | 6  | "Perfect Purifier," 6 Tablets ..           | .. | 12           | 0  |
| 1       | 6  | "Coal Tar," 6 Tablets ..                   | .. | 12           | 0  |
| 2       | 0  | "Old Brown Windsor," 12 square Tablets ..  | .. | 18           | 0  |
| 0       | 8  | "Special Line," 3 Tablets ..               | .. | 4            | 8  |
| 2       | 6  | "Toilet" (Scented), 6 Tablets ..           | .. | 21           | 0  |
| 2       | 6  | "Sublime Toilet" (Unscented), 6 Tablets .. | .. | 21           | 0  |
| 2       | 0  | "Boudoir Tablets" (Perfumed), 3 Tablets .. | .. | 16           | 0  |
| 6       | 0  | "Transparent Complexion," 12 Tablets ..    | .. | 36           | 0  |
| 1       | 0  | "Transparent Soap," 3 tablets ..           | .. | 8            | 0  |
| 2       | 0  | "Sensalia," 4 Tablets ..                   | .. | 18           | 0  |

N.B.—The first three varieties supplied also in 7-lb. deal Boxes. Customers' Names stamped on Tablets if sufficient quantity ordered.

| Each |   | Toilet Preparations. |                                                |    |              |
|------|---|----------------------|------------------------------------------------|----|--------------|
| 1    | 0 | ..                   | Shaving Stick, in Cardboard Box                | .. | 8 0 per doz. |
| 6    | 0 | ..                   | Tooth Powder, in 1-lb. Bottles..               | .. | 48 0         |
| 1    | 0 | ..                   | " " Metal Box                                  | .. | 7 0          |
| 0    | 6 | ..                   | " " " "                                        | .. | 4 0          |
| 0    | 6 | ..                   | Tooth Soap " " " "                             | .. | 4 0          |
| 2    | 0 | ..                   | Dentifrice Water, in Bottles, with Sprinkler.. | 15 | 0            |
| 1    | 0 | ..                   | " " " " " "                                    | 8  | 0            |
| 1    | 0 | ..                   | Lano-crolin, 5% Antiseptic, in Tubes           | .. | 9 0          |
| 0    | 6 | ..                   | " " " " " "                                    | 4  | 6            |
| 3    | 0 | ..                   | " " " " " Large Tubes                          | .. | 24 0         |
| 6    | 0 | ..                   | " " " " " 1-lb. Jars                           | .. | 48 0         |
| 1    | 6 | ..                   | Antiseptic Ointment, 10% Antiseptic, in        |    |              |
|      |   |                      | Ohina Pot                                      | .. | 12 0         |
| 0    | 9 | ..                   | " " " " " 20% Antiseptic, in Metal Box         | .. | 8 0          |
| 3    | 6 | ..                   | Spray Diffuser, in Box complete                | .. | 30 0         |

# BRANALCANE.

In 1-oz. bottles at 9½d., 3-oz. bottles.

## Sheep Dip, Wood Preserver, and other Agricultural Preparations.

**All Goods Delivered Free in London. For the Country, Free at any London Railway Station or Wharf.**

FULL PRICE LIST ON APPLICATION.

**"Indispensable" Automatic Toilet Boxes, filled with Toilet Paper Sanitised with Jeyes' Fluid.**

[illegible]

**JEYES' SANITARY COMPOUNDS CO., LTD., 64 CANNON ST., LONDON, E.C.**



## Harmless Antiseptic & Disinfectant Gas.

The Problem of a Harmless Antiseptic has been now solved by the introduction of

# The "Alformant"

(REGISTERED TRADE MARK),

An elegant  
and ornamental Lamp capable of  
distributing from

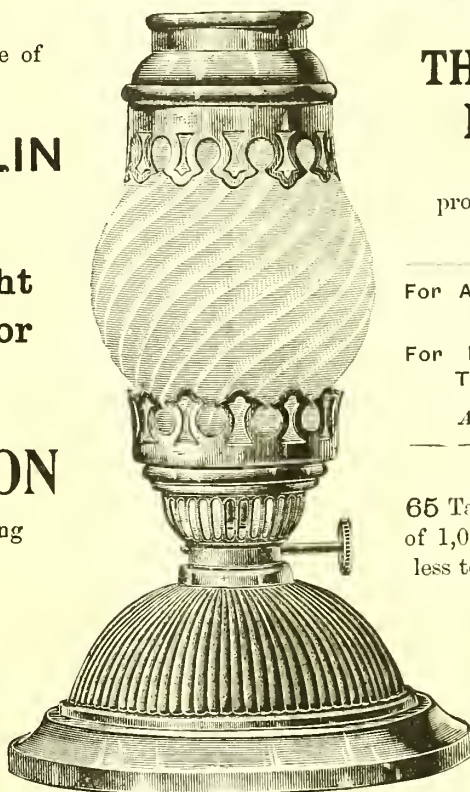
**DRY FORMALIN  
TABLETS,**

**2½ times by weight  
Formalin Gas, for**

**AIR  
STERILISATION**

in the Sick, Bed, and Living  
Room,

**R.L.P.**



And for

**THOROUGH ROOM  
DISINFECTION**

by definite  
proportion of Gas to any given  
Room capacity.

For Air Sterilisation use 1 Tablet  
for 1,000 cubic feet.

For Effectual Disinfection use 10  
Tablets for 1,000 cubic feet.

*As proved by eminent authority.*

### HARMLESSNESS.

65 Tablets gasified in a room capacity  
of 1,000 cubic feet have proved harm-  
less to the respiratory organs of man.

**12/6 each.**

**ANTISEPTIC TREATMENT of WOUNDS.**

## DR. SCHLEICH'S GLUTOL

A fine powdered Formalin Gelatine, is the ideal antiseptic in the treatment of fresh or infected wounds. Self-applying and protective, forming a firm scab in a short space of time, needing no other antiseptic treatment. **2/6** per tin of 1 oz.

**GLUTOL SKINS**, for painful and swollen skin surfaces. **2/6** per oz.

FOR ALL PARTICULARS APPLY TO

**THE FORMALIN HYGIENIC CO., Ltd.,** 9 & 10  
ST. MARY-AT-HILL, LONDON, E.C.

Visitors to the Sanitary and Hygienic Section of the Imperial Victorian Exhibition at the  
Crystal Palace are invited to inspect at **Stand No. 23.**

[2]

**ALBERT LEVY & THOMAS**

CIGAR SHIPPERS,  
62 LEADENHALL STREET, LONDON, E.C.  
And at HAVANA.

EXTRACT from DUTY PAID PRICE LIST  
No. 32 (to the TRADE ONLY).

**LA FLOR de VECTATIO.**

*Cuban Style.  
Fine Aroma.  
Grand Value.*

**TOBACCO**

As manufactured  
by the  
Habaneras.



*The finest  
Cigars at  
a moderate  
price.*  
Price per 100 :  
**No. 18 Bouquet,  
15/6.**  
Sample Box, 8/6, Post paid.  
**No. 32 Rothschild,  
22/6.**  
Sample Box, 5/9, Post paid.  
**LA FLOR de VECTATIO**  
has no equal at the price.  
Sample Boxes on receipt of remittance or  
Trade Reference.

**MASSAGE AT HOME****THE MATTO CHAIN**

Used by the leading **Athletes, Cyclists, &c.** In-  
valuable for **Liver Complaints, Rheumatism, and all  
Nervous Disorders.** A sure Preventative of **Obesity.**

PRICE 7/6 EACH, from ALL CHEMISTS.

WHOLESALE ONLY FROM

**MATTO, LIM.,** 32 & 34, Clerkenwell Road, LONDON, E.C.

**A GOOD PROFIT!**

ALL RETAILERS SHOULD STOCK

**GOLDEN NUGGET OINTMENT**

**For PILES.**

1/1½ sizes, Wholesale Price 9/6 per doz.

**WILTON & CO., LTD.**

17 Withy Grove, MANCHESTER.

**Profitable Extras for Chemists.****TOBACCO, CIGARS. CIGARETTES.**

AND TOBACCONISTS FANCY GOODS.

All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices.  
Every Smoker's Requisite and all Novelties—Up to Date—in one order.

**MINIMUM OF TROUBLE—MAXIMUM OF PROFIT.**

SEND FOR ILLUSTRATED PRICE LIST (200 PAGES), POST FREE.

**SINGLETON & COLE, BIRMINGHAM.**

**TO ADVANTAGE.****INSECT POWDER.**

Genuine Dalmatian, ground from the Closed Wild  
Flowers of "Pyrethrum roseum."

**POWDERED HELLEBORE.**

In fine Powder, and Genuine.

**STAVESACRE SEEDS.**

Own Import. We offer the Seeds whole  
or ground (own grinding).

**CARBOLIC ACID, PALE LIQUID, 97%.**

Having favourable contracts can offer to advantage in quantity.

Special Quotations on application. For lowest prices quantities should be stated.

**W. KEMP & SON, Wholesale Druggists, HORNCastle.**



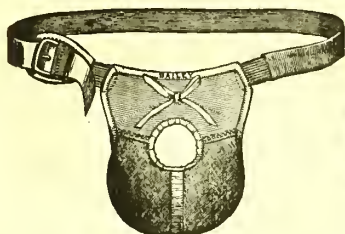


Fig. 2.

# BAILEY'S SUSPENSORY BANDAGES

A. B. C. SYSTEM.

What "THE CHEMIST AND DRUGGIST" says:—

Every retailer knows what a worry it is to get a customer suited with a bandage when it has to be picked out of a drawerful of all sizes. Messrs. Bailey's system is to mark every bandage with a number and letter—4B, for instance. By referring to the list, one finds that No. 4 is so-and-so, and the letter B indicates the size. If B is too large, A can be supplied; if too small, then size C. In the case of hydrocele, where a continually increasing size is necessary, it will be seen how very convenient this system is for ordering. Apart from that, there is the convenience in stocking the bandages. Each one is put up in a neat slide-box, labelled at one end with the size and style, thus:—

To repeat,  
quote No. 4<sup>B</sup> SILK.

So that they are easy to pack away, easy to fit, and easy to sell, while the quality is excellent.

Cabinet of 2 dozen assorted, 30/- USUAL DISCOUNT. Containing—

|                                         |     |        |     |          |      |
|-----------------------------------------|-----|--------|-----|----------|------|
| 6 No. 1, Cotton, with tape under-straps | ... | Fig. 1 | ... | per doz. | 8/-  |
| 6 No. 2, " " drawing-strings            | ... | Fig. 2 | ... | "        | 10/- |
| 6 No. 4, Silk, with " "                 | ... | Fig. 2 | ... | "        | 18/- |
| 3 No. 6, Super. Silk, with " "          | ... | Fig. 2 | ... | "        | 24/- |
| 3 No. 8, " " button-bags                | ... | Fig. 8 | ... | "        | 24/- |

**W. H. BAILEY & SON, 38 OXFORD STREET, LONDON, W.**

TELEGRAPHIC ADDRESS—"BAYLEAF LONDON."

TELEPHONE NO. 2942, GERRARD.

# RENDELL'S

"WIFE'S FRIEND" SOLUBLE QUININE PESSARIES.



**IMPORTANT NOTICE AND CAUTION**

Several Injunctions in the High Court of Justice having already been obtained against "Infringers" (reports of which have appeared in "The Chemist and Druggist," the most recent being in issue of April 24, 1897), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof, in connection with Pessaries *not* manufactured by

## W. J. RENDELL,

Inventor and Sole Maker of the "WIFE'S FRIEND" SOLUBLE PESSARY,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

See that the Registered Trade Mark and Number (but in red ink) are upon each box thus:—

Registered  
Trade Mark  
without which  
none are genuine.  
No. 182,688.

*W. J. Rendell*

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

# CAPSULED "McK. & R." PILLS

McKesson & Robbins : Originated 1870 : New York.

## WHY SHOULD THE "McK. & R." PILLS BE PRESCRIBED?

1. Because they are prepared from materials of the highest quality only.
2. Because they are made according to the B.P. or other Standard Authorities, and therefore all the combinations are well tried and of recognised value.
3. Because they are taken pleasantly—being tasteless—and readily, being ovoid in form.
4. Because they are not subjected at any stage of preparation to the injurious action of heat.
5. Because the coating of *pure transparent gelatine* preserves the contents from oxidation.
6. Because they are always soluble, and the contents soft and quickly disintegrated.

### LIST OF PRINCIPAL CAPSULED PILLS.

Aloes, all the B.P. combinations..... 5 gr.  
Aloes, Dilute (Dr. Hall Dinner Pill)..... 4 gr.  
Aloes Barb.  
Saponis Pulv.  
Pulv. Ext. Glycyrrh.  
Theriac, aa..... 1 gr.  
Aloes and Nux Vomica—  
Aloes Soc..... 1½ gr.  
Ext. Nucis Vom..... ½ gr.  
Aloin..... 1 to 1½, 1 gr.  
Aloin, various combinations.  
Anti-Dyspepsia (Fothergill)—  
Strychnine..... 1 to 1½ gr.  
Pulv. Piper Nig..... 1½ gr.  
Pulv. Ipecac..... 2-3 gr.  
Ext. Gent..... 1 gr.  
Arsenious Acid..... 1-20, 1-50 gr.  
Asafoetida, U.S. and B.P..... 5 gr.  
Atropine..... 1-100, 1-300 gr.  
Blue Pill, B.P..... 1, 2, 3, 5 gr.  
Blue Pill, with Colocynth and Hyoscyam..... 5 gr.  
Calofum Sulphide..... 1-10, 1-4, 1-2, 1 gr.  
Calomel, Colocyn., and Hyosc..... 5 gr.  
Calomel Co., B.P..... 5 gr.  
Camphor and Hyoscyam..... 2 gr.  
Camphor  
Ext. Hyoscy., aa..... 1 gr.  
Cannabis Indica..... 1-4, 1-2 gr.  
Cascara Sagrada..... 3 gr.  
Cathartic Comp., U.S.P.  
Ext. Jalap..... 1 gr.  
Ext. Coloc. Co..... 1-1½ gr.  
Hyd. Subchlor..... 1 gr.  
Gambog..... 1-4 gr.  
N.B.—The ready solubility of the "McK. & R." Pills is readily proved by taking a dose of these.  
Colocynth Comp., B.P..... 4, 5 gr.  
Colocynth, other combinations.  
Copaiba Compound—  
Onobæ Pulv..... 2 gr.  
Ferri Sulph. Exsio..... 1-2 gr.  
Mass. Copaib..... 1 gr.  
Tereb. Venet..... 1-1½ gr.  
Corrosive Sublimate..... 1-30, 1-20, 1-10 gr.

Oroton Oil..... 1-2 gr.  
Diuretic—  
Ext. Buchu, Potass. Nitrat..... 1 gr.  
Scilla Pulv..... 1-2 gr.  
Emmenagogue—  
Ferr. Sulph. Exsio..... 1-1½ gr.  
Thus, American..... 1-1½ gr.  
Aloes Socot..... 1-2 gr.  
Ergotin..... 3 gr.  
N.B.—Each Pill = 30 gr. ergot or 30 ms. fl. extract. This form is more reliable and uniform in effect and more agreeable than the liquid preparations.  
Euonymin..... 2, 3 gr.  
Iodoform and Iodoform with Iron..... 1 gr.  
Ipecac..... 1-4, 5 gr.  
Ipecac. Co..... 5 gr.  
Ipecac. and Squill, B.P..... 5 gr.  
Iron Pill, B.P. Add..... 3, 5 gr.  
Iron Arseniate..... 1-8 gr.  
Iron reduced by Hydrogen (Quevenne)..... 1, 4 gr.  
Iron and Quinine Citrate..... 2 gr.  
Laxative, Vegetable—  
Res. Podoph.....  
Ext. Hyoscy.....  
Ext. Tarax., aa..... 1-4 gr.  
Ext. Coloc. Co..... 1 gr.  
Jalap  
Res. Leptand. aa..... 1-2 gr.  
Ol. Ment. Pip.....  
Mercury, Biniodide..... 1-16 gr.  
Mercury, Proto-iodide..... 1-20, 1-16, 1-8, 1-4 gr.  
N.B.—Made from the absolutely pure yellow impalpable powder, free from mercury and from biniodide.  
So-called "green" proto-iodide contains uncombined mercury.  
Mercury with Chalk..... 1 gr.  
Morphine Muriate..... 1-8, 1-4 gr.  
Nitro-Glycerine..... 1-200, 1-100, 1-50 gr.  
Opium..... 1 gr.  
Opium and Camphor..... 1 gr.  
Opil Pulv..... 1 gr.  
Camphor..... 2 gr.  
Pepsin, Pure..... 1 gr.  
Phosphorus..... 1-100, 1-50, 1-30 gr.

N.B.—In no kind of Pill are the advantages of the "McK. & R." method better exemplified or more in request. No other brand of Phosphorus Pills is equally reliable for the administration of the unoxidised medication.  
Phosphorus and Iron—  
Phosphor. Pur..... 1-50 gr.  
Ferr. Redact..... 2 gr.  
Phosphorus, Iron, and Quinine—  
Phosphor. Pur..... 1-100 gr.  
Ferri Carb..... 1 gr.  
Quinine Sulph..... 1 gr.  
Phosphorus and Nux Vomica—  
Phosphor. Pur..... 1-50 gr.  
Ext. Nucis Vom..... 1-4 gr.  
Phosphorus and Quinine—  
Phosphor. Pur..... 1-50 gr.  
Quinine Sulph..... 1 gr.  
Phosphorus and Valerianate of Zinc—  
Phosphor. Pur..... 1-50 gr.  
Zinc Valer..... 1 gr.  
Piorotoxin..... 1-80 gr.  
Podophyllin..... 1-8, 1-4, 1-2 gr.  
Quinine, Bisulphate..... 1-4, 1-2, 1, 2, 3, 4, 5 gr.  
Quinine, Sulphate..... 1-4, 1-2, 1, 2, 3, 4, 5 gr.  
Quinine Co. (Anti-Malaria).  
Largely prescribed in America with excellent results.  
Rhubarb Comp., B.P..... 5 gr.  
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Soap Comp., B.P..... 5 gr.  
Squill Comp., B.P..... 5 gr.  
Strophanthus..... 1-20, 1-4 gr.  
Strychnine..... 1-50 gr.  
Tonic Laxative (Fothergill)—  
Quinine Sulph..... 2-3 gr.  
Strychn..... 1-30 gr.  
Ferri Redact.....  
Ext. Bellad., aa..... 1-4 gr.  
Valerianates, Iron, Quinine, and Zinc.  
Warburg's Tincture and the same without Aloes.  
Each Pill = 1 fl. drm. of the Tincture.  
Zinc Phosphide..... 1-4, 1-2 gr.  
Zinc Valeriana..... 1 gr.

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Each 'tabloid' contains Caffeine, 1 gr. and Phenacetin, 4 gr.  
"The combination of phenacetin with so useful a cardiac stimulant will prove therapeutically useful in every way."—MEDICAL TIMES.

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"The objections to the syrup, viz., its bitterness, etc., are avoided in the Easton Syrup 'Tabloids.' They are more convenient and more portable, while they are equally effective."—GLASGOW MED. JOUR.

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## 'Tabloid' Trinitrin.

Trinitrin (Nitroglycerin) dilates the peripheral blood vessels. It is therefore prescribed to lower arterial pressure. The action is slower than that of amyl nitrite but lasts longer. Trinitrin 'Tabloids' are most easily administered. ❀ ❀ ❀

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The small frequent doses of Tincture of Aconite, which are most effective in a febrile state, are easiest administered by use of the 'tabloid'. ❀

Bottles of 100, 1 min. or 5 min., 6s. and 8s. 6d. per dozen.; bottles of 36, 5 min., 4s. 6d. per dozen.

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Strophanthus is a cardiac stimulant and diuretic, first procured and introduced to the profession by B. W. & Co. It is best prescribed uncombined in 'tabloids.' ❀

Bottles of 50 and 100, 2 min., 7s. 6d. and 14s. per dozen.; 5 min., 10s. and 18s. per dozen.

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*See page 103 of "THE CHEMIST AND DRUGGIST" WINTER ISSUE.*

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SOCIETIES in the British Empire.

## CONTENTS: Vol. LI. No. 13.

|                                                                                                                                          | PAGE |                                                                                                                     | PAGE |
|------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------|------|
| American Papers .....                                                                                                                    | 526  | Editorial Comments—(cont.):                                                                                         |      |
| Analysis of Drugs in Glamorgoushire .....                                                                                                | 524  | Assistants' Testimonials ....                                                                                       | 522  |
| Bankruptcies and Failures ....                                                                                                           | 510  | Refusal of Wine-licence Certificates: Pharmaceutical Training .....                                                 | 522  |
| British Medical Association: Montreal Meeting .....                                                                                      | 516  | For the Benefit of Science; Chemist and Coroner: Is Vaccination a Failure? The Second Thoughts of Dr. Rentoul ..... | 523  |
| Business Changes .....                                                                                                                   | 525  | English News .....                                                                                                  | 506  |
| Colonial and Foreign News ....                                                                                                           | 508  | Foreign Competition in the Colonies .....                                                                           | 527  |
| Correspondence:—                                                                                                                         |      | Gazette .....                                                                                                       | 512  |
| Irish Druggists and the Pharmaceutical Society of Ireland; Irish Pharmaceutical Election: Mr. Liversege's Paper; A "Rogue" Replies ..... | 533  | Irish News .....                                                                                                    | 508  |
| What Can They Expect? ....                                                                                                               | 534  | Legal Reports .....                                                                                                 | 510  |
| Legal Queries .....                                                                                                                      | 534  | Marriages .....                                                                                                     | 525  |
| Dispensing Notes .....                                                                                                                   | 534  | New Companies and Company News .....                                                                                | 512  |
| Miscellaneous Inquiries ....                                                                                                             | 535  | Note on Baptisin .....                                                                                              | 524  |
| Information Wanted .....                                                                                                                 | 536  | Personalities .....                                                                                                 | 519  |
| Deaths .....                                                                                                                             | 525  | Sanitary Congress at Leeds ..                                                                                       | 513  |
| Deed of Assignment .....                                                                                                                 | 512  | Scotch News .....                                                                                                   | 508  |
| Editorial Comments:—                                                                                                                     |      | Tabb .....                                                                                                          | 515  |
| Foreign Competition in Colonial Markets .....                                                                                            | 520  | Trade-marks Applied For .....                                                                                       | 508  |
| Dentists and Druggists .....                                                                                                             | 521  | Trade Notes .....                                                                                                   | 515  |
|                                                                                                                                          |      | Trade Report .....                                                                                                  | 528  |

## COLONIAL BUSINESS.

BUSINESS-HOUSES who wish to get, in a concise form, the facts from the replies to Mr. Chamberlain's despatch on foreign competition in colonial markets, should write to our Publisher for a pamphlet which he has prepared on the subject, and which will be sent post free on application.

## OUR DIARY FOR 1898.

THIS, the thirtieth of the series, is now in preparation. It will be supplied free to every subscriber to THE CHEMIST AND DRUGGIST whose subscription is in force on November 27. It is a perfectly unique medium for advertisements to all sections of the drug-trade,

## Because

It is used daily in thousands of pharmacies in all parts of the world.

All the members of Twelve Pharmaceutical Societies in Ireland, Australasia, and South Africa get it and use it.

So do the majority of the members and associates in business of the Pharmaceutical Society of Great Britain;

And the principal drug firms in foreign countries.

For the same reasons that the drug-trade regard the *C. & D.* as a business journal, they esteem the *C. & D. DIARY* as a business necessity. It contains all that they want to know regarding commercial, legal, medical, and official matters connected with pharmacy, and it is made complete with several hundred pages of advertisements by business houses. The utility of these advertisements to buyers is increased by the compilation of an exhaustive index of ALL the articles advertised in it. When anything is wanted this Buyers' Guide is turned up, and if the article is not there it is because it is not advertised. The omission is one which manufacturers of and dealers in goods handled by the drug-trade can and should remedy by arranging with our publisher for space in the new *DIARY*. He is now booking orders, and will have pleasure in supplying information to inquirers.



THE METHOD of the North London Coroner in calling witnesses is criticised (p. 523).

QUININE has gone up to 1s. an ounce this week. That is the German manufacturers' price (p. 531).

CHEMISTS have figured frequently in police-courts during the week, generally as prosecutors (p. 508).

DEATHS from erysipelas following vaccination with human lymph are reported from East London (p. 523).

CONDEMNATIONS of the unrestricted sale of carbolic acid continue to come in. Two are noted on p. 505.

A MELBOURNE DOCTOR (once a Canterbury chemist's errand-boy) has left his native town 11,000*l.* (p. 507).

AERATED-WATER, DRUG, AND SOAP CONTRACTS which have been settled at bottom prices are reported on p. 507.

PARKES' DRUG-STORES pay a dividend of 6 per cent, once more (p. 513). Lewis & Burrows pay 5 per cent. for a year and a half.

THE FINISHING TOUCH has been given to the Attfield testimonial matter by the issue of a report to every participant (p. 506).

PARTICULARS of the arrangement under which the capital of Dan Rylands (Limited) is reduced from 270,000*l.* to 214,610*l.* are given on p. 513.

WE print abstracts of some of the interesting papers communicated to the recent meeting of the American Pharmaceutical Association (p. 526).

THERE is a boom in spices. Pepper has doubled in price, cinnamon has gone up a third, and others similarly—all of which is told in our Trade Report (p. 528).

THE PRESIDENT OF THE PHARMACEUTICAL SOCIETY OF IRELAND replies to the objections urged by a registered druggist against joining the Society (p. 533).

THREE DEVONSHIRE CHEMISTS are the poorer by a few shillings which they have paid to the community because they "let their dogs go unmuzzled" (p. 508).

A REPORT of the Annual Museum of the British Medical Association held at Montreal is given on p. 516, along with some pen-and-ink sketches made at the meeting.

DR. WYNN WESTCOTT seems to think that doctors in making autopsies can do as they like with the bodies. He defended a doctor who took away a dead man's finger (p. 523).

PROSECUTIONS under the Sale of Food and Drugs Act in respect of malt vinegar, spirit of nitrous ether, and borax in butter are reported. All were dismissed by the Magistrates (p. 510).

AT the Sanitary Congress held at Leeds, Dr. Farquharson, M.P., gave a suggestive address on the influence of sanitation upon disease. We report this and give notes on the Health Exhibition (p. 513).

WE continue our excerpts from Mr. Chamberlain's Blue-book showing the trend of trade in the British colonies (p. 527), and in some comments upon it indicate in what directions firms connected with the drug-trade should work (p. 520).

BOOTS' PURE DRUG COMPANY (LIMITED) have been prosecuted at Wednesbury on a charge of setting up a lottery, because with all bottles of a certain embrocation sold they gave coupons for a cricket competition. The prosecution failed (p. 510).

TWO PUBLIC ANALYSTS gave evidence in a vinegar case as to the amount of solids which should be found in malt vinegar, but the evidence satisfied the Magistrates that the article sold was genuine, and they therefore ignored the analysts' opinions (p. 510).





Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

### The Attfield Testimonial.

A pamphlet has been sent to the subscribers to the Attfield testimonial containing the names of all the subscribers, and a report of the proceedings at the presentation, edited by the Honorary Secretary to the committee, Mr. John Moss. The following letter is printed as an introduction to, and an explanation of, the pamphlet:—

"Ashlands," Watford, Herts.  
July 31, 1897.

Dear Mr. Moss,—At the recent gathering here of some hundreds of my past pupils and other friends I endeavoured to express my deep gratitude for the album of autographs and the plate then presented to me. The press generally—daily, weekly, illustrated, medical, chemical, pharmaceutical—and that of Herts locally, has liberally noticed the proceedings at the assemblage. Only, however, by direct postal communication can I be certain that evidence of my delight and thankfulness will reach the eyes of every one of the pupils, colleagues, and others who thus hail me by their autographs from all parts of Great Britain and Ireland, India, our Colonies and the chief universities and cities of Europe and America. You and some members of your Committee have also expressed a wish that every Signatory should have a record of the inception and organisation of the project of a testimonial to me, a description of the album and plate, complete lists of contributors, and an account of the ceremony of presentation. Now, our united desires can be accomplished if the Committee will allow me to use and extend the type of the documents they have issued from time to time, and if you will be good enough to edit and distribute the resulting pamphlet. I beg for the addition of this favour to your and their many kindnesses.

Yours faithfully,  
JOHN ATTFIELD.

### Carbolic-acid Poisoning.

Among the deaths of the week from carbolic-acid poisoning, we notice that a boy of 7, at Oldbury, and a boy of 14, at Handel Street, Brunswick Square, are victims, both having drunk the poison thinking it to be ginger-beer.

### Their Lordships have it under Consideration.

"We have to record the death of another victim of carbolic-acid poisoning. When will the Legislature stop the sale of this deadly poison? Dr. Churton informed us some time ago that more suicides were due to carbolic-acid poisoning, and more fatal accidents to lamp explosions, than from all other causes combined. Legislation is urgently demanded in both cases. In no other country in the world is oil allowed to be sold with a flash-point of 70°. When it is remembered that the normal heat of a room in summer is over 70°, one realises the terrible danger of using these low-flash oils. If opportunity makes suicides, then the promiscuous sale of carbolic acid ought also to be stopped. Death after death is recorded, and yet nothing is done to prevent them."—*Chester Chronicle*.

### A Jury on the Sale of Carbolic Acid.

At an inquest held at Islington on September 15, before Dr. G. D. Thomas in reference to the death of George Samuel Amor (52), a waiter, who had committed suicide by drinking a quantity of carbolic acid, Mr. Thomas Simnett, chemist, 70 Chapel Street, Clerkenwell, gave evidence to the effect that he had sold the poison to the deceased. He asked him what he wanted it for; Amor said it was for a trade purpose, but could not say more specifically because it was a trade secret. The foreman asked whether such a deadly poison ought not to be placed in a blue bottle. Mr. Simnett said carbolic acid could be sold without the slightest restriction. The seller was not even bound to label it, although all chemists did. It was sold in all kinds of vessels by oilshop-keepers. Endeavours had been made by

the Pharmaceutical Society to get carbolic acid placed under the Poisons Act, but the Privy Council had refused to sanction this. The Coroner said this statement was perfectly correct. It seemed strange that such a poison could be sold without the slightest restriction. It was sold in any kind of vessel, especially at oilshops. One favourite vessel was a ginger-beer bottle. It was true that no precautions would prevent people committing suicide if they were determined to kill themselves. He suggested that the jury should strengthen the hands of the Pharmaceutical Society in their endeavours to get an alteration of the law, so that carbolic acid should be brought under the Sale of Poisons Act. The jury having found that the deceased committed suicide whilst of unsound mind, added that they were strongly of opinion that carbolic acid should be placed under the provisions of the Sale of Poisons Act so that greater care should be taken in regard to the sale of it. The Coroner said he would send a copy of the recommendation to the Home Secretary and also to the Pharmaceutical Society.

### Wine-licences.

Licences have been granted to the following chemists in addition to those already reported:—

Messrs. Hunt, Dewry & Balkwill, 106 Old Town Street, Plymouth.

Mr. Edward Upton, 84 Stockport Road, Levensholme, Manchester.

The Bournemouth Licensing Justices have granted licences for the sale of wines to the following chemists:—Mr. Hall, Mr. Hirst, Mr. Lawrence, and Mr. Scampton.

At the Kingsbridge Annual Licensing Sessions last week Mr. C. E. Turner made an application on behalf of Mr. John Ernest Calkin, chemist, of Salcombe, for a licence for the sale of wines and spirits, to be consumed off the premises. Superintendent Ryall opposed the application on the ground that there were enough such licences in existence already at Salcombe; but the Chairman pointed out that as long as Mr. Calkin fulfilled the requirements of the law, they had no option but to grant it. The necessary formalities having been carried out the Bench granted the application.

### The Missing Jersey Chemist.

Several distrains on the chattels of Mr. Charles Le Sueur, of the "Charing Cross Drug-stores, and Perfumery-manufactory," and the "West-end Cycling Academy," were confirmed at last Saturday's sitting of the Royal Court of Jersey. The first was for assurance of payment of 25*l.* rent to Christmas of the Charing Cross house and shop; then, at the instance of defendant's father, Mr. Ph. Le Sueur (ex-chemist), for assurance of payment of 27*l.* rent for the cycle-store from June 24 last to March 25 next; another at the suit of the Imperial Cycle Agency (Limited), Nottingham, in virtue of an account of 152*l.* 6*s.* These actions were undefended—no light having, in fact, been thrown on Mr. Le Sueur's disappearance, nor as to his present whereabouts.

### Mr. Boot in Jersey.

Mr. Jesse Boot has presented a challenge vase, value 40 guineas, together with 10*l.*, to be competed for at the annual prize meeting of the Jersey Rifle Club. Mr. Boot, we understand, has just purchased the premises at 29 Queen Street, St. Helier, Jersey, where Mr. Ph. D. Le Brocq has been carrying on his pharmacy. They adjoin the property which Mr. Boot already owned, the Jersey branch of "Boots, Cash Chemists (Western) (Limited)," being at No. 25 in the same street.

### Pharmaceutical Education in Brighton.

At the Municipal School of Science and Technology during the ensuing session a series of lectures and practical demonstrations to cover the whole of the Minor examination will be given. The course began on Monday, September 20, and will continue to July 28, 1898. Botany lectures are given on Tuesdays, at 2 P.M., materia medica on Fridays, at 2.30 P.M., chemistry on Mondays, at 2 P.M., and pharmacy on Thursdays, at 2 P.M. The following members of the Brighton Pharmaceutical Association have promised prizes for competition in the classes—viz., Messrs. H. A. Costerton, W. H. Gibson, J. R. Gwatkin, J. Padwick, W. W. Sarage, and J. Smithson.



### Remembered the Old City.

On September 15 the Mayor of Canterbury laid the foundation-stone of a new institute, free library, and reading-room which is being erected in the city from funds given by the late Dr. Beane. This gentleman commenced life as an errand-boy at the Medical Hall, Canterbury, the establishment of Mr. Griffiths, chemist and druggist. He subsequently went to Melbourne, Australia, and for many years enjoyed a prosperous career as a physician. On his death he bequeathed 1,000*l.* for the restoration of Canterbury Cathedral, and 10,000*l.* for the erection of the institute mentioned. The site chosen for the institute is next to the chemist's establishment at which Dr. Beane worked when a boy.

### Drug-contracts for Workhouses.

The following tenders have been accepted by the Guardians of the unions named:—

Southampton.—Messrs. Wride & Co., 8 East Street, for drugs.

Sulcoates, Hull.—Mr. S. E. Lambert, of Cumberland Street, for drugs.

St. Albans.—Mr. Alfred Cobby, for Liebig's extract of meat at 8*s.* per lb., and linseed-meal at 2*d.* per lb.

Uckfield, Sussex.—Mr. W. Dendy, for Jeyes' disinfecting-powder at 13*s.* 6*d.* per cwt.; carbolic acid (No. 5), 5*s.* 6*d.* per gallon; carbolic soap, 3*d.* per lb.; pearl barley, 2*d.* per lb.; arrowroot, 1*s.* per lb.; linseed, 1½*d.* per lb.

Cannock.—Mr. T. W. Garland, for brimstone at 1½*d.* per lb., linseed-meal at 2½*d.* per lb., Calvert's carbolic soap (No. 9) at 32*s.* per cwt., Calvert's soft-soap at 32*s.* per cwt., soft soap 8*s.* per firkin, paraffin oil at 6*d.* per gallon. Mr. Fereday, of Bridgton, for saltpetre at 3½*d.* per lb.

The Liverpool Vestry have accepted the tenders of the following among other firms:—Druggists' sundries, Ayrton & Saunders; drugs, Evans, Sons & Co.; dysaltery, F. Wilkinson & Co.; methylated spirit, Preston's Liverpool Distillery Company; mineral waters, Schofield Brothers; surgical appliances, John Reynolds.

Pontefract.—Mr. Wm. Bratley, chemist, Pontefract, for carbolic soap at 28*s.* per cwt. and saltpetre at 3*s.* per stone. Mr. H. S. McIlugh, chemist, Castleford, for linseed-meal at 11*s.* 9*d.* per cwt., cod-liver oil (in 16-oz. bottles) at 7*s.* 6*d.* per dozen; and Mr. T. P. Ramsden, chemist, Pontefract, for arrowroot at 6*d.* per lb., quinine (in 1-oz. bottles) 13*s.* per doz., and castor oil at 6*s.* per dozen pint bottles.

The managers of the Central London (Poor Law) School District, have accepted the tender of Messrs. John Knight & Son, Silvertown, for the supply of soap to the Hanwell school, pale yellow, 14*s.* per cwt.; primrose, 16*s.* per cwt.; B.B.B. soft soap, 10*s.* per firkin, toilet, 2*s.* 6*d.* per 7-lb. box; carbolic 40 per cent. acid, in 1-lb. bars, 13*s.* per cwt., ditto domestic 8 per cent. acid in 1-lb. bars, 13*s.* per cwt.

The Marylebone Guardians have accepted the following tenders for drugs for the infirmary and the north and south dispensaries. Messrs. T. Hodgkinson, Prestons & King, of Bishopsgate Street Without, E.C., to supply drugs as per detailed tender for the sum of 320*l.* 18*s.* 5*d.*; and Messrs. Allen & Hanburys (Limited), Bethnal Green, to supply the same institutions as per detailed tender, with druggists' sundries to the sum of 163*l.* 19*s.* 7*d.*

### Drugs and Mineral Waters for the Holborn Union.

The Holborn Board of Guardians met on Monday last to consider tenders for supplies for the next twelve months to the various establishments of the Union. For drugs there were seven tenderers who sent in offers to supply at certain discounts off the price-list supplied by the Guardians—viz., Messrs. Hill & Sons, 25 per cent. off; Messrs. Boulton & Co., Crayford Mills, Stratford, 15 per cent. off; Messrs. Corby, Stacey & Co., Holborn, 30 per cent. off; Messrs. Hodgkinson, Prestons & King, 27½ per cent. off; Messrs. Hearon, Squire & Francis, 20 per cent. off; Messrs. Baiss Brothers, 27½ per cent. off; Messrs. Willows, Francis & Butler, Holborn, 25 per cent. off. Mr. George Eade (chemist, of Goswell Road) moved that Messrs. Corby, Stacey & Co. have the contract. The present contractors (Messrs. Hill & Sons) had given every satisfaction, but all the firms who had tendered were

good and reliable people, and therefore, from a ratepayer's point of view, he must go for the firm who offered the largest discount. There would be no fear of inferior drugs being sent in, and if such was the case, he said, with no egotism, that he (as Chairman of the Dispensing Committee) would see what was delivered, and their careful medical officers and dispensers would also report. The Chairman agreed that Messrs. Corby, Stacey & Co., of Holborn, were one of the best firms in London. Mr. Miller (Chairman of the Infirmary Committee) seconded the motion, and it was adopted.

For mineral waters there were three tenders:—The C.A.M.W.A.L., Idris & Co., and Reginald P. Lane, of the Borough High Street. Notwithstanding that the Idris prices were the highest Mr. George Eade moved that they be accepted. The prices, he added were fair. Mr. Bolton: Oh those chemists' prices! (Laughter.) Mr. Eade: It is important that the articles given to the sick be as good and pure as it is possible to obtain them; and, whilst the other two firms are above suspicion, Messrs. Idris & Co., who have served us well before, are not extravagant in their charges. Mr. Garrity: I have been over the Idris works several times, and do not think there is a place like it in the world. I second the proposition that they have the contract. This was agreed to. Messrs. Idris's prices were as follows:—Soda-water, in syphons, 1*s.* 6*d.* per doz.; soda-water, in screw-stoppered bottles, large 1*s.* per doz., small 9*d.* per doz.; lemonade, in syphons, 2*s.* 6*d.* per doz.; lemonade, in screw-stoppered bottles, large 1*s.* per doz., small 9*d.* per doz.; lithia-water, in syphons, 2*s.* 6*d.* per doz., and ginger-beer, in screw-stoppered bottles, 1*s.* per doz.

### Soap-contract.

The Guardians of the City of London Union have accepted the tender of Messrs. G. Hearn & Co., 29 Mark Lane, E.C., for the supply of soap to the City Workhouse, Homerton, for the ensuing twelve months at the following rates:—B. & H.—1. Hard soap: Genuine pale pure tallow soap, of the best quality, to be weighed ten days after delivery; each bar of soap supplied is to be stamped by the makers with their name, also trade-mark, if any; 140 cwt., at per cwt., 11*s.* 10½*d.* 2. Soft soap: Each firkin supplied to be in quality equal to E. Cook & Co.'s O.B.B., also to have the gross weight and tare marked on each firkin; 116 firkins, at per firkin of 64 lbs., 6*s.* 10½*d.* 3. McDougall's 8-per-cent. acid carbolic soap, in 3-lb. bars; 32 cwt., at per cwt., 1*l.* 8*s.*

### London Commercial Travellers' Benevolent Society.

The ninth annual smoking-concert in aid of the funds of this Society will take place at the St. James's Large Hall, Piccadilly, on Thursday, November 4 next. Mr. Charles Ackland (Messrs. Bartrum, Harvey & Co.) has kindly consented to preside.

### Shop-breaking.

Early on the morning of September 16 the shop of Mr. Thomas Hall, chemist, Chillingham Road, Heaton, was broken into, and a sum of about 10*l.* in gold, and 2*s.* in copper, was stolen. A box containing silver money escaped the notice of the thieves.

Edwin Richardson, aged 13, was charged at Derby on September 17 with breaking into the premises of Messrs. Boots, chemists, 59 London Road, and stealing 9*s.* 2*d.* Mr. Arthur Thomas said that the lad had been employed at the shop for several months. Wednesday being a half-holiday, the shop was closed at one o'clock, but the prisoner, who was working later, was allowed possession of the key communicating with the back premises. At 8.30 on Thursday morning it was discovered that someone had entered the place through the skylight, and stolen the money mentioned. The lad admitted the offence, stating that he had a fit of temptation, and spent the money in bicycle rides and in purchasing a camera and some "chip potatoes," and he also lent a few shillings to another lad. The Magistrates bound the lad and his mother over in the sum of 5*l.* to come up for judgment if called upon.

### Committal of a Chemist.

At Marylebone County Court on September 16, in the judgment summons of Griffin v. Tanner, an order was made

for the committal of the defendant, a chemist, carrying on business at Chalk Farm, for non-payment of a judgment debt in respect of goods supplied in the way of his trade. The order to be suspended for a month.

#### Stealing a Chemist's Overcoat.

At Lambeth Police Court on Monday, a young man named Richards was charged with stealing an overcoat, the property of Mr. J. C. Wilson, a Battersea chemist. The prosecutor and the accused were passengers in an omnibus, and whilst the former was reading a book the prisoner alighted with his coat, which was lying beside him on the seat. The accused, who was shown to be an old offender, was sent to prison for a month.

#### No Ill-feeling.

At the South-western Police Court on September 18 James Austin, a labourer, was charged with throwing a stone through a chemist's shop-window at Wandsworth Road, and doing damage to the extent of 4*l.* 10*s.* The accused admitted having thrown the stone, but said he was under the influence of drink at the time, and had no ill-feeling towards the prosecutor. The Magistrate accepted that explanation, and made an order for the payment of the damage and 10*s.* costs.

#### Charge of Long-firm Frauds.

At St. Ives Petty Sessions on September 15, Wm. E. Barber, of Somersham, was charged with obtaining goods by false pretences from firms in London, Rugby, Wolverhampton, and Northampton. There were six charges, and among the firms from whom goods had been obtained were Mr. Thos. Bigg, Great Dover Street, London, from whom it is alleged the prisoner had obtained twenty-four bottles of veterinary-embrocation, value 2*l.* 8*s.*, and Messrs. Jameson & Co., Mile End, London, from whom he is alleged to have obtained six dozen cases of polishing-paste and six dozen tins of composition, value 2*l.* 9*s.* 6*d.*

Mr. Clare prosecuted on behalf of the Treasury, and stated that defendant represented that he was a *bona-fide* tradesman, whereas he was not in business at all, but only rented a small cottage at 4*l.* 10*s.* a year. He was committed for trial, and refused bail.

#### A Betting Chemist.

At Southwark Police Court, on Tuesday, Henry Wickes, who said he was a qualified chemist, out of business, was summoned for obstructing a public street by carrying on betting transactions with other persons. The evidence was to the effect that the defendant, who lived in Suffolk Street, was making bets outside his own premises with other persons. The offence was not denied, and the accused was fined 5*l.* and costs.

#### "Like the Young Man of the Name of Guppy."

Thomas Cottingham, chemist's assistant, of 90 Victoria Street, Westminster, was summoned before Mr. Sheil, at the Westminster Police Court on Tuesday, by Mr. Henry Smithson, on behalf of the District Railway Company, for travelling on the line without a ticket, and with intent to avoid payment. Mr. John Haynes, solicitor, who prosecuted, said the defendant took a penny ticket from Wimbledon to Wimbledon Park for the purpose of passing the ticket-barrier, and then travelling on to Victoria gave up an out-of-date unclipped ticket from East Putney. In a long letter which he had written to the company he denied fraud, whilst admitting being "a little unhandy." He said that the company need not bring their witnesses, but he wrote strictly "without prejudice." Mr. Sheil: Just like the young man of the name of Guppy. (Laughter.) The defendant said he committed the offence without a thought. Mr. Sheil imposed a penalty and costs of 52*s.*, or fourteen days. The money was paid.

#### Chemist's Boy Gets the Birch.

At Greenwich Police Court last week Lawrence Frank Smith, errand-boy, was charged with stealing five marked postage-stamps, value 11½*d.*, from 193 Queen's Road, Peckham, the property of George Francis Perritt, chemist. The stamps were found in the boy's possession, and it was stated that he had from time to time stolen 4*l.* worth of

stamps. He was sentenced to receive eight strokes with the birch-rod.

#### Charge of Theft from a Chemist's.

Henry Bone (17) and Charles Hearn (17), two rough-looking lads, described as "paper-boys," were charged at North London Police Court on Wednesday with being concerned in stealing some scented soap from the shop of Mr. George M. Dunn, chemist, of 82 Stamford Hill. The prosecutor said he heard a scuffling sound in the shop that afternoon, and going in he saw Bone, who asked for some Indian ink. Mr. Dunn said he had none, and the lad went away. Then Mr. Dunn missed some cakes of scented soap from the counter. He went after the prisoners and charged them with stealing the soap. They denied it, and walked off. Mr. Dunn returned to his house, got his hat, and again went after the lads. On his way he picked up the soap, which he alleged they had thrown away. The prisoners denied the theft, but were remanded in custody for inquiries.

#### Chemists and their Dogs.

Mr. Charles Park, chemist, Plymouth, Mr. Edward Silk, chemist, Teignmouth, and Mr. J. H. Maunder, chemist, Teignmouth, have let their dogs go about unmuzzled, and have had to contribute to the costs of the local police-courts—Mr. Park 5*s.*, and Messrs. Silk and Maunder 7*s.* each.

#### Port-wine as Medicine.

The Wolverhampton guardians discussed, on September 17, the advisability of purchasing port-wine for sick children in the Cottage Homes. The medical officer had prescribed the wine as a medicine, but some temperance members of the Board suggested that the purchase of port-wine was a "growing evil." Dr. Fotherick, one of the members, said there were cases where such a stimulant as port-wine was absolutely necessary for young children, and the doctor would be open to the censure of the Board if he did not prescribe it. The children in question were suffering from measles. The Board eventually decided to purchase the wine ordered.

#### Cricket.

Last Saturday, at Walthamstow, Burgoyne Burbidge's Cricket Club brought their list of engagements with the drug-trade to a close, Stevenson & Howell's C.C. being defeated by nine wickets. The scores were:—S. & H. C.C., 19; B. B. C.C., 20 for one wicket. The season has been a most successful one, as out of eleven finished games with drug-houses, nine have been won and two lost, whilst of a total number of sixteen matches, twelve have been won and four lost. Next Saturday Burgoyne's play their return fixture with the North Metropolitan Tramways Company's C.C., which will finish the 1897 season.

#### The Half-holiday

at Bourne, Lincolnshire, has been changed from Tuesday to Wednesday; at Herne Bay, Thursday at 2 P.M., and at Sandown (I.W.) Wednesday at 2 P.M., have been adopted.



Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

#### Personal.

We are informed by Mr. Wells, President of the Pharmaceutical Society, that the Miss Frances Wells who courageously rescued a lady from drowning at Bray last week was not his daughter, as she was reported to be.

#### Drug-contracts.

The Omagh Guardians have renewed their contract for medicines with Messrs. Lyons, Omagh, with whom four



other firms competed. Messrs. Clarke & Co., wholesale chemists, Belfast, have been appointed drug and medicine contractors to the Banbridge Union.

#### A "Diddy" Bottle.

At Fermoy Petty Sessions last week a Mrs. Tucker was summoned for an alleged breach of the Muzzling Act. The defendant's solicitor pleaded that his client was feeding her dog, having removed the muzzle, when the animal escaped into the street. Mrs. Tucker, who gave her evidence with much volubility, said the dog was only a pup, which she fed out of a "mammy's diddy" bottle. (Loud laughter.) The Magistrate: Evidently a Maw's feeding-bottle. Fined 1*d.* and costs.

#### Dr. Sandiford Clears Himself.

Dr. Sandiford, to whose unsatisfactory performance of duty as dispensary officer at Mallow reference was made last week, has replied to the strictures of the Local Government Board. He points out that the amount of extra medicines ordered by him is small, but that all were specially authorised by the dispensary committee and entered on the minutes. The drugs used were absolutely necessary. He has intimated his intention of retiring on pension on and from October 1, on the ground of ill-health. The Guardians have passed a vote of confidence in Dr. Sandiford.

#### Good for the Contractor.

Dr. Browne, Local Government Inspector, has informed the Cork Board of Guardians that the expenditure on medicine in the North Dispensary is excessive, compared with the number of tickets entered in the register. He believes that a number of poor people receive medicine although not provided with tickets. The expense for medicine, he says, is enormous. He calculates that the cost per head in the North district is 1*s.* 2*d.*, against an average of 2½*d.* all over Ireland.



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#### Pharmaceutical Golf.

The Edinburgh Pharmacy Golf Club decided their autumn competition on Monday. Four prizes presented by members of the Club were offered, and the "Dick" challenge medal was also down for decision. Dunbar Links was the place selected, and there was a good turn out of members. A close game resulted. After the scoring-cards had been handed in, it was found that Mr. John I. Sutherland had carried off first handicap honours and become holder of the "Dick" challenge medal; 2nd, D. S. Murray; 3rd and 4th, W. M. Mansom and T. Welsh (tie). Afterwards the golfers dined in the Royal Hotel, Mr. J. A. Forret presiding.

The Edinburgh District Chemists' Golf Club held its last competition for the season at Musselburgh on the same day. The "Gibson Handicap" medal, and three club prizes were played for during the forenoon, with the following results:—"Gibson" medal and first prize, Mr. Wm. Swan, 104 - 5 = 99; second prize, Mr. W. H. Wheelans, 110 - 10 = 100; third prize, Mr. James Stott, 104, scratch. After lunch there was a "hole-and-hole" competition between teams selected by the captain (Mr. George Lunan) and vice-captain (Mr. H. D. Alexander), which resulted in favour of the latter by one hole. There was a good turn out, and the weather conditions were delightful. Mr. A. M. Stewart having the lowest aggregate (289) for three scores out of the five competitions for the medal during the season, becomes the holder for the year, and will receive a gold charm.

THERE are now 500 members of the Druggists' League for Shorter Hours in New York and Brooklyn.

## Colonial and Foreign News.

A BARIUM-MINE is to be worked at Lynchburg, Va., U.S.A., by the Barytes Chemical Company. Hitherto the United States has imported all its barium compounds.

A GROWING FIRM.—Messrs. Sharp & Dohme, the Baltimore manufacturing chemists, are increasing their laboratories and drug-grinding plant by the erection of a six-storey brick building at Dover Street, adjoining their Howard and Pratt Street premises.

INDIARUBBER GOODS.—It is reported from New York that the manufacturers of indiarubber goods are endeavouring to form a combination, with the view of putting all their products into a "pool," and so maintaining and raising prices. It is not expected that the advance will be much.

THE N.S.W. GOVERNMENT SCENT-FARM.—The New South Wales Government's experimental scent-farm at Dunolly has not met with success, no marketable perfume having as yet been produced. About 500*l.* a year has been spent on the farm for some years, and the N.S.W. Minister of Agriculture has now come to the conclusion that the only chance of producing a marketable commodity is the renewal of the distillery-plant. This will shortly be done, and an effort will be made to produce marketable lavender-water, otto of rose, and other perfumes.

A DRUGGIST LOST IN THE SNOW.—H. P. Williams, a druggist, was lost in the Dargo Ranges, Australia, from July 17 to 30. For fourteen days he had no food. Up to the twelfth day he was hopeful of being rescued; then he became despondent, and he was fast losing his senses when found by a search-party. Williams had for five months been manager of Reynolds's Reef, Dargo, and was on his way to Melbourne, *via* Harriettville, to resume business as a druggist, when he was overtaken by a snowfall. His feet and legs were much swollen, but he soon recovered when placed in Wangaratta Hospital.

AN APOTHEKER'S HOLIDAY.—The apotheker of St. Avel, in Alsace, left with his family for Düsseldorf the other day on a holiday, leaving in charge, as the sole occupant of his premises, a qualified manager, whom he had engaged the week before. No sooner was the manager alone than he got violently drunk, made hay of the shop and dwelling-house, and generally created a racket that caused his neighbours to run for the mayor of the town. His worship donned his chain of office, placed himself at the head of the local police, stormed the pharmacy, ejected the drunken manager, and officially closed the shop by proclamation, pending the return of the proprietor, who was telegraphically informed of the state of things.

## Trade-Marks Applied for.

(From the "Trade Marks Journal," September 22, 1897.)

- "SOLANSALVO"; for chemical substance used for agricultural, veterinary purposes, &c. By Boileau & Boyd (Limited), 46 Mary Street, Dublin, manufacturing chemists. 206,964.
- "NURMO"; for an ointment for human use, for the cure of bad legs, gathered breasts, and boils. By T. O. Johnson, 1 Cornish Street, New Seaham, Sunderland, wine and spirit merchant.
- "LILAC"; for chemical substances prepared for use in medicine and pharmacy. By Chant & Co., 23 Cross Street, Manchester, wholesale druggists. 206,088.
- "CAMWAL" and other wording on label; for soda-water. By the Chemists' Aërated and Mineral Waters Association (Limited), 45 Gifford Street, Caledonian Road, London, manufacturers. 203,827. Essential particular: the word "Camwal."
- "ALQUIN" and other wording on label; for a toilet article. By C. M. Holmes, 2 Belle Vue Terrace, High Road, Upper Clapton, London, N.W., chemist and druggist. 206,282. Essential particular: the word "Alquin."
- "WATER-WHEEL"; for perfumery, soap, toilet articles, &c. By W. Gossage & Sons (Limited), Widnes, soap-manufacturers. 207,368.

BOYLE (LIMITED), of 30 Farringdon Street, London, have applied for the registration of a trade-mark in Ceylon for substances used as food or as ingredients in food; and Messrs. Elliman, Sons & Co., of Slough, for embrocation for horses and cattle and for human use, and also for chemical substances.

## Legal Reports.

### BOOTS' CRICKET COMPETITION.

At the Wednesbury Police Court, on September 16, Boot's Pure Drug Company (Limited) were charged with having at their shop in the Market Place, Wednesbury, unlawfully set up and maintained a certain lottery not authorised by Parliament—to wit, the distribution of prizes by chance, amongst purchasers of Gratton's embrocation. William Harpur, the manager of the shop, was charged with aiding and abetting in the commission of the offence. Mr. Muir Wilson, solicitor, Sheffield, appeared for the company and the manager. Police-constable Trusswell deposed that, in accordance with instructions, he, on July 30, bought a bottle of Gratton's embrocation at the shop of the defendant company, in the Market Place, for 10½d., and received a receipt for the money, and also a coupon for the cricket competition. He filled up the coupon with the names of the fourteen leading cricket teams, in the order in which he expected them to stand at the end of the season, and sent it to Anderson Gratton, care of Boots, cash chemists, Nottingham. Being correct in the first, fourth, fifth, eleventh, and fourteenth names, he, on September 3, received a cheque for a sovereign. Mr. Wilson produced the receipt, the coupon, and other papers connected with the case. In cross-examination the witness said he did not put down the names haphazard, but gave some thought and consideration to the position of the teams at the time. To make the guess one was obliged to use one's brains. Another policeman deposed to having bought a bottle of the embrocation on July 30 from Harpur, and to having with the bottle received a coupon for the cricket competition. Mr. Wilson referred to the fact that he had been in the peculiar position of proving the facts of the case for the prosecution by producing the several documents. He quoted from recorded cases to show that the Courts had held that such a competition as that before the Bench was not a lottery, as it required the exercise of skill, knowledge, and judgment. Trusswell's result could not have been obtained without a considerable amount of judgment and study. He attributed the prosecution to the jealousy of a rival shopkeeper, and produced a bundle of papers to show that similar competitions promoted by soap companies and others were going on all over the country, without being interfered with by the authorities. The competition was a legitimate means for promoting the sale of the embrocation. The Magistrates considered their decision in private, and on their return into court Mr. Hunt said their opinion was that the police did quite right in taking the proceedings, and they thought the competition was not a legitimate way of doing business. Still, as there was so much difficulty about the matter, they had to dismiss the cases.

The *Birmingham Post* says that "For an example of intellectual meekness the judgment would be hard to beat. The utility of these competitions may be rather dubious. But the attempt to have them declared criminal seems to be ill-judged as well as unwarranted. We have no doubt that the filling-up of cricket coupons with an eye to legal proceedings would be a pleasant, and occasionally profitable, kind of police duty, but we imagine that Wednesbury supplies more serious and clamant forms of crime to engage the attention of its constabulary."

### SALE OF FOOD AND DRUGS ACT.

#### MALT VINEGAR.

At Lancaster (Durham) Petty Sessions, on September 16, John Smith, grocer, was summoned for selling a pint of "malt" vinegar which Mr. Stock, analyst for the county, certified contained 94.41 per cent. of water, 4.21 of acetic acid, 93 of solids, or organic solids, 40 mineral solids, and 26 of salts. Mr. Simey, Clerk to the County Council, who prosecuted, said the vinegar in question was what was generally known as "16 vinegar," denoting strength. The contents of "16 vinegar" should be 93 per cent. of water, 4 per cent. acetic acid, and 3 per cent. of solids. The difference in percentage of the water was not complained of,

neither was there much difference in the percentage of acetic acid. The ground of complaint was the absence of solids. Instead of being 3 per cent. there was only 1.38. Salt was not necessary, and had, perhaps, been added for a flavouring purpose.

Mr. Allen, analyst for the West Riding of Yorkshire, gave evidence in support of the case. He held that there should not be less solids than 2½ per cent. The salt would be added to give "body." Genuine "malt" vinegar contained no salt. He admitted that 60 per cent. of malted barley, and 40 per cent. of flax-maize, would make a good malt-vinegar. Witness had not found any ingredients in this vinegar that were injurious.

Mr. Clark argued that in the absence of any standard fixed by Act of Parliament no individual had a right to set up his private opinion as to what the constituent parts of "malt" vinegar should be. The vinegar before the Bench was made from 60 per cent. of malted barley, and 40 per cent. of flax-maize. Dr. Dyer would tell them this was a superior vinegar to the article indicated by Mr. Stock.

The Bench said the summons would be dismissed. His Honour Judge Greenwell, who took part in the hearing of the case, said that as no standard had been fixed by Act of Parliament, they could not accept either the opinion of Mr. Stock or Mr. Allen as to what "malt" vinegar should consist of. Costs (10s. 10s.) were allowed.

### SPIRIT OF NITROUS ETHER.

At Dudley, on Wednesday, Samuel Wilkinson, huckster, was summoned for selling for spirit of nitrous ether sweet spirit of nitre. Defendant, his wife, and son all stated that the inspector asked for sweet spirit of nitre. The defendant declared that he had no spirit of nitrous ether in his shop, and did not know what it was until it was explained to him. Sweet spirit of nitre was sold at all hucksters' shops, and required neither licence nor skill to sell it. Mr. F. H. Alcock, analyst and chemist, said the two drugs were quite distinct both in specific gravity and physiological effect. The Bench said there had evidently been a misunderstanding between the inspector and the shopkeeper, and the case would be dismissed.

### AN INFORMAL CERTIFICATE.

At Aberavon Police Court, on September 20, David Matthews, grocer, was charged with selling butter which was certified to be adulterated with 6 per cent. of borax. For the defendant, however, Mr. Hughes, solicitor, pointed out that the analyst had not added to his certificate the words "that he found no change or alteration had taken place in the constitution of the sample to interfere with the analysis." Under the case of *Peate v. Barstow*, this, he submitted was fatal to the summons. The Magistrates upheld the objection and dismissed the case.

### THE EXCISE AND HOREHOUND-BEER.

At Lancaster, on September 18, Daniel Gudgeon was summoned for selling beer without a licence. A bottle of bitter horehound-beer sold by him was certified to contain 4.7 of proof spirit. Mr. James Robbins, analyst of Somerset House, gave evidence to this effect. Alcohol, he said, would generate when the beer was in the bottles, but very slowly. Age would add to the alcoholic strength of beer such as the sample, and it would not decrease in strength unless the liquor went bad. The Bench held that the prosecution had not made out their case, and dismissed the summons.

## Bankruptcies and Failures.

*Re* MACVEAN, GENTLE & Co., Billiter Square Buildings, E.C., East India Merchants.

THE first meeting of creditors under this failure was held at the London Bankruptcy Court on September 17, before Mr. H. Brougham, Official Receiver. The debtors commenced business in March, 1894, with a capital of 1,500*l.* provided



By Mr. Gentle, his partner Macvean contributing no capital. Both debtors were previously employed as clerks, and resigned their posts in order to start business on their own account. They traded in East Indian produce. Brokers advanced 80 per cent. or 90 per cent. on the value of the goods deposited with them, and charged  $\frac{1}{2}$  per cent. commission on the sales. At the date of the receiving order, which was made on the petition of Messrs. Marshall & French, Mincing Lane, certain goods were lying under deposit, and, according to the terms of the contract-notes, were sold within the next forty-eight hours. The trading was successful for the first year of the partnership, but it then fell off, owing principally to depreciation in the value of the stock consequent on the uncertainty of the silver-market. To that cause the insolvency of the firm is attributed. The debtors estimate their liabilities at 400*l.* or 500*l.*, and their assets at a few pounds only. Proofs to the amount of 337*l.* having been dealt with, the Chairman questioned the debtors regarding the sale of a parcel of cloves about the date of the receiving order. It was explained that the brokers had advanced money upon a particular parcel of goods, and in accordance with the terms of the contract-note, had sold them off a day or two after the receiving order was made. The debtors admitted that the market had gone up between the date appearing on the contract-note and the actual date of sale. The petitioning creditor asked the Chairman to fully investigate the transaction, as he thought the creditors ought to receive any benefit to be derived from it. Mr. Brougham directed the debtors to forward to him the contract-note relating to the sale. Mr. Harris, on behalf of the debtors, asked that the meeting should be adjourned for a fortnight. His clients were in negotiation with their friends with a view to a substantial composition being offered. The meeting was adjourned to October 1, the debtors undertaking to lodge the statement of affairs and the terms of the proposal within the next few days. The public examination of the debtors is fixed for October 12.

*Re* HERBERT SARA, 1 Arwenach Street, and 1 Bar Terrace, Falmouth, Chemist and Druggist.

A FIRST MEETING of the creditors in this bankruptcy was held at Truro last week. The statement of affairs showed gross liabilities, 361*l.*; unsecured, 341*l.*; assets, stock-in-trade, 30*l.*; fixtures, 50*l.*; book-debts, 17*l.* The causes of failure alleged by debtor are, want of capital, depression in trade, and heavy rates and taxes. He commenced business as a chemist and druggist in Arwenach Street in 1886 with a capital of about 95*l.* The furniture belonged to his wife and mother. About three years ago he had a capital of about 150*l.* in stock, and believed he was then solvent. The gross takings for his business during the past three years averaged 450*l.* a year, from which he drew about 2*l.* a week for household and personal expenses. Mr. Roach (the Chairman) stated that proofs had been received for 294*l.*, including the Cornish Bank; 85*l.* for rent, overdraft, &c.; Evans, Gadd & Co., Exeter, 100*l.*; and C. Deeble, 20*l.* 15*s.* Mr. R. M. Tweedy, who appeared on behalf of the Cornish Bank, remarked that the debtor had been foolish enough to allow cabmen to congregate around his doors, and people to smoke in his shop in the evening. The debtor replied that he had done all he could to prevent cabmen standing around his doors. Mr. Tweedy pointed out that the bank overdraft was 57*l.*, unsecured. The debtor reduced the amount owing for rent within the last two years, and they thought his position was improving. The debtor said he had been the victim of misfortune. His father gave him the capital on which he started, but it was not more than 95*l.* It was resolved to accept the offer of Mr. Williams, of Falmouth, to buy the stock and fixtures for 87*l.*, the valuation price. October 23 is the date fixed for the public examination of debtor.

*Re* H. MORTON, 6 Parade Buildings, Deptford Bridge, Chemist and Hair-dye and Restorer-manufacturer.

THE public examination of this debtor took place on September 21 at the Greenwich Bankruptcy Court. Replying to questions put by the Official Receiver, the debtor stated that he commenced business about eighteen years ago. He had

no capital of his own at the time, but his father bought the concern for him for 175*l.*, and made him a present of it. When he commenced business as a hair-restorer and hair-dye manufacturer, about fourteen years ago, he had a capital of about 100*l.* He took the premises at Deptford Bridge on a twenty-one years' lease, at a rental of 50*l.* per annum, and carried on business there as a retail chemist. A private meeting of his creditors was held a short time before the petition was filed, but nothing was done, as his largest creditors did not attend. His wholesale business entailed travelling, and his profits were not great, as he sold the hair-dyes, &c., wholesale to shopkeepers on sale or return. All his liabilities were in respect of trade debts. His failure had been caused by illness in his family and keen competition. The competition was principally owing to the Southern Drug Company starting a shop in the same street. They opened in 1894, and since then his trade had dwindled. His profits in the retail trade greatly exceeded the profits on the goods sold wholesale. His books would show his receipts and expenditure. During the last three years his wholesale trade had increased, as, when he found the receipts at his shop decreasing, owing to the opposition shop, he devoted more time to the wholesale trade. He used to allow his wife a guinea per week for housekeeping expenses, and he paid the rent, wages, &c. He had not kept any bought-ledger, but depended upon the invoices received from the wholesale firms. He had never made out a proper balance-sheet. He had kept separate cash-books for the wholesale and retail businesses. He admitted saying at his preliminary examination that he became aware of his insolvency six months ago, but he had only just found out what insolvency meant. It did not strike him until six months ago that he could not pay his way. He always thought his lease would prove of value, and that if it came to a push he would be able to sell his retail business as a going concern. He advertised it, however and found it very difficult to sell. He endeavoured to sell it six months ago. The shop cost him 220*l.* to fit up when he took the premises. If he had been called upon two years ago to pay all his creditors, he could not have done so, but it did not strike him in that way at the time. He had contracted further indebtedness during the past two years, and the only expectation he had of being able to pay those debts was to increase his wholesale business. He had disclosed the whole of his property to the Official Receiver, and had kept nothing back. He owed Messrs. Baiss Brothers 48*l.* two years ago, and he then called upon them and explained his position, and they agreed not to press him, provided he paid cash for further goods he purchased of them. That arrangement was carried out, and he paid cash for everything he bought until the date of the petition. The examination was ordered to be closed.

*Re* ARTHUR ANGELL, 56 Winchester Road, Shirley, Southampton, Public Analyst.

THE liabilities in this bankruptcy are stated at 451*l.* 10*s.* 3*d.*, and the assets are estimated at 50*l.* 2*s.* The following are the

*Unsecured Creditors.*

|                                             | £   | s. | d. |
|---------------------------------------------|-----|----|----|
| Alden, Weston & Covey, Shirley              | 14  | 5  | 0  |
| Beeston, J., Southampton                    | 14  | 13 | 6  |
| Danes Discount Company (Limited), London    | 19  | 0  | 0  |
| Dean & Son, Southampton                     | 10  | 0  | 0  |
| Horseman, C., Southampton                   | 10  | 0  | 0  |
| Howard, T. A., Shirley                      | 20  | 0  | 0  |
| Lamport, C., Southampton                    | 94  | 0  | 0  |
| Pickering, J. S., Nuneaton                  | 10  | 0  | 0  |
| Shalders, F., Southampton                   | 12  | 7  | 0  |
| Southampton Grammar School, Southampton     | 10  | 8  | 11 |
| Southampton Supply Association, Southampton | 12  | 2  | 8  |
| South Hants Dairy Company, Southampton      | 10  | 0  | 0  |
| Bankers' claims                             | 150 | 0  | 0  |

*Fully-secured Creditors.*

|                                 |     |    |   |
|---------------------------------|-----|----|---|
| Aldridge, H. G. R., Southampton | 206 | 10 | 0 |
| Lamport, Charles, Southampton   | 70  | 0  | 0 |
| Elliott, T., Southampton        | 238 | 8  | 0 |
| Freeley, T., Southampton        | 12  | 0  | 0 |
| Liabilities on bills            |     |    |   |

*Re* WILLIAM JAMES LEGGATT, Bradshawgate, Leigh, Lancs.,  
Chemist and Druggist.

THE meeting of creditors under this failure was held on September 21 at Bolton. It appeared that on June 28 last the debtor executed a deed of assignment for the benefit of his creditors, stating at the time that his liabilities amounted to 322*l.* 15*s.* 6*d.*, and his assets to 134*l.* The statement of affairs now submitted showed liabilities amounting to 400*l.* 13*s.* 10*d.*, and assets estimated to produce 114*l.* 10*s.* 5*d.* One of the chief creditors was Mr. Isaac Gordon, of Birmingham, the well-known moneylender, from whom the debtor had borrowed money at 25 per cent. interest. The debtor alleged his failure to have been caused through bad trade, keenness of competition, and losses sustained by the publication of a compendium of patent-medicine vendors. The Assistant Official Receiver, who presided at the meeting, stated that although the debtor was described as a chemist, he was really a patent-medicine vendor. He commenced business in 1888, with a capital of 10*l.*, in Bold Street, Liverpool. Afterwards he removed to Leigh, where he carried on business down to the date of the receiving order, which was granted upon the petition of Mr. Isaac Gordon. As there was not a quorum of creditors in attendance no resolution could be passed, therefore the estate was left in the hands of the Official Receiver for summary administration in the usual manner.

*Re* EDWARD G. MARKE, 2 Victoria Place, Gravelly Hill,  
Chemist and Druggist.

THE following are the creditors in this bankruptcy, the particulars of which have been reported:—

|                                                          | £  | s. | d. |
|----------------------------------------------------------|----|----|----|
| Farmers' and Traders' Loan Company,<br>Birmingham ... .. | 25 | 7  | 6  |
| Mayow, J. & H., Birmingham ... ..                        | 15 | 10 | 0  |
| Parrock, George, Birmingham ... ..                       | 13 | 0  | 0  |

## Deed of Assignment.

Combe, William H., Ballyclare, Antrim, druggist. Trustee, George Hodge, 29 Donegall Street, Belfast, chartered accountant. Dated, September 11; filed, September 14. Liabilities, 41*l.* 9*s.*; estimated net assets, 75*l.* 16*s.* 3*d.* The following are scheduled as creditors:—

|                                        | £  | s. | d. |
|----------------------------------------|----|----|----|
| Boehm, Gustav, London .. ..            | 10 | 9  | 4  |
| McMullan, Thomas, & Co., Belfast .. .. | 9  | 4  | 8  |

## Gazette.

### PARTNERSHIP DISSOLVED.

Stott, H., Spreat, F. A., and Ferguson, R. B., under the style of Stott, Spreat & Ferguson, New Southgate, Friern Barnet, and Finchley, physicians, surgeons, apothecaries, and accoucheurs; so far as regards H. Stott.

### THE BANKRUPTCY ACTS, 1883 AND 1890.

#### RECEIVING ORDERS.

Gabb, James Edward, Shrewsbury, physician and surgeon.  
Hollingworth, John Lawrence Pitchfort, Barnsley and South Kirkby, near Wakefield, chemist and druggist.  
Wilson, George John, Oxford, surgeon.

#### ADJUDICATIONS.

Baylass, Walter Lionel, Stoke-upon-Trent, dealer in drugs.  
Wilkinson, J. D., and Miles, Isaac (now or late trading as the Star Mineral-water Company), High Street, Shadwell, E.

HE WAS LEFT.—Dr. F. Gundrum, of Sacramento, Cal., has written to Messrs. Dundas Diek & Co., of New York in the following strain: "Your tablets acted successfully—but the patient did not. Two days after relieving him of a 40-foot worm he took the 11 P.M. train and left the State, forgetting to pay me for the medicine or my trouble. The only thing he left was the worm—and I got left, too."

## New Companies and Company News.

WORT & Co. (LIMITED).—Capital 1,800*l.* To enter into an agreement with Joseph Shepherd and Walter Wort, and to manufacture, sell, and deal in gelatine and other bone products. The first directors are Walter Wort and George Wort.

BELLEVUE PETROLEUM COMPANY (LIMITED).—Capital, 220,000*l.* To enter into agreements with Edwin D. Chadick and John M. Macalaster, and to produce, refine, store, supply, distribute, and manufacture mineral oils, petroleum, and petroleum products.

BURDEN TAR COMPANY, BOLTON (LIMITED).—Capital 10,000*l.* To adopt an agreement with Joseph Anderson, senior, Joseph Anderson, junior, Wm. Hutchinson, and Eliza Hutchinson, and to carry on the business of chemical manufacturers, manufacturing chemists, and tar oil distillers and manufacturers. The first directors are the first three vendors. Registered office, Burden, Bolton.

BILLINGTON'S MINERAL-WATER COMPANY (LIMITED).—Capital, 26,000*l.* To acquire and carry on the business of mineral and aerated-water manufacturers carried on as "Billington's Mineral-water Company," at Stanley Works, Stanley Road, Blackpool: and to enter into an agreement with Thomas Brierley. The first directors are Thomas R. Walkington, W. Parke, J. Pittar, Edward D. McNaughton, James Bibby, and William Billington.

THORNTON-SCARTH AUTOMATIC LIGHTING SYNDICATE (LIMITED).—Capital 20,000*l.*, in 1*l.* shares. To acquire certain patents granted to J. W. Scarth and Wm. A. Thornton for improvements in apparatus for generating acetylene gas, and to carry on the business of ironfounders, metal-workers, mechanical engineers, suppliers of acetylene and other gas, and makers of carbide of calcium and other chemical products. The first directors are Wm. Starley, Joseph H. Gibbs, John Thomas, Harvey Stevens, Hymen Levetus, and Edward L. Levetus.

SURGICAL SUPPLY ASSOCIATION (LIMITED).—Capital 5,000*l.*, in 1*l.* shares (1,000 preference). Objects: To acquire the business carried on by Stephen Thistlethwaite, at 35 Market Street, Manchester, and to carry on the business of surgical-instrument makers, chemists, druggists, patent-medicine manufacturers and vendors, &c. The first subscribers (each with one share) are:—Robert Bishop, Bradford Street, Manchester, physician and surgeon; Thomas G. Carr, Irlams-o'-th'-Height, near Manchester, physician and surgeon; John Healey, Micklehurst, near Manchester, physician and surgeon; Arthur W. Martin, Gore Brook House, Gorton, near Manchester, physician and surgeon; Harry E. H. Matthews, Eskdale, Levenshulme, physician and surgeon; John G. Moyles, 2 Bedford Road, Walton-on-the-Hill, Liverpool, physician and surgeon; Stephen Thistlethwaite, Inglebank, Ashton-on-Mersey, surgical-instrument maker. The first directors are the above subscribers. Qualification, 50*l.*, and the fact of being a medical practitioner (the latter not applying to Stephen Thistlethwaite). Remuneration, 150*l.* per annum, divisible. Registered office, 35 Market Street, Manchester.

LEWIS & BURROWS' DRUG-STORES.—The directors have declared an interim dividend of 3 per cent. on the preference shares for the half-year ended June 30, 1897, together with 2 per cent. in respect of last year, making in all 5 per cent.

S. A. SADLER & Co. (LIMITED), Manufacturing Chemists, Middlesbrough.—The report of this company shows a profit on the year of 24,289*l.* 5*s.* 8*d.* A dividend at the rate of 5 per cent. per annum, free of income-tax, is recommended. The Alizarine works, which represent a large proportion of the company's capital, are still idle, and therefore unproductive, but the directors hope that profitable employment may eventually be found for this portion of the property.

CELLADEMA (LIMITED).—A prospectus of this company has been issued. The capital is 25,000*l.*, in 100,000 shares of



5s. each. Of these Mr. H. Bentinck Budd, the proprietor, takes 40,000 as purchase-consideration for his "Celladema" preparations, and subscribes for 10,000 shares. The remainder of the shares are offered to the public. Mr. Budd has expended 6,000*l.* in establishing his preparations, and "the profits are excellent." But "it is not considered expedient to state the amount of the profit." Major-General Hale Wortham (chairman of the Junior Army and Navy Stores) and Mr. J. H. Mackay are to join Mr. Budd as directors of the company.

**PARKE'S DRUG-STORES (LIMITED).**—The directors' report for the year ending June 30 last states that during the year the company have opened a large store at North End Road, Fulham, and have also acquired the valuable lease of fine corner premises at 316 High Road, Brondesbury. The latter will be opened shortly, and will make a total of sixteen stores now owned by the company. The sales of the fourteen stores which were in existence on the date of the last report have increased by upwards of 3,000*l.* The directors have charged 304*l.* for depreciation of leases out of the revenue of the year, as well as 480*l.* for repairs and renewals. The net profits for the year are 2,369*l.* 3s. 5*d.* (the gross being 4,279*l.* 2s. 9*d.*, from which are deducted 1,812*l.* 14s. 7*d.* for expenses of management, including directors' fees, and 132*l.* 4s. 9*d.* for interest on loan). An interim dividend on the ordinary shares and the dividends on the preference shares having been paid, they now recommend a final dividend at the rate of 6 per cent. per annum on the ordinary shares.

**DAN RYLANDS (LIMITED).**—An application was made on September 22, in the Chancery Division, to Mr. Justice Ridley, the vacation Judge, on behalf of Dan Rylands (Limited and Reduced), of Stairfoot, Barnsley, manufacturers of bottles, boxes, mineral-water machinery, &c., that the capital of the company might be allowed to be reduced, and that for that purpose a special resolution passed by the company might be confirmed, and that the addition of the words "and reduced" to the company's name might be dispensed with after September 30. The company was incorporated in 1888, with a capital of 130,000*l.* (70,000*l.* in 7-per-cent. preference and 60,000*l.* in ordinary shares). Subsequently the capital was increased to 270,000*l.*, of which 175,000*l.* was in 5*l.* preference shares. Of 35,000 cumulative 7-per-cent. preference shares of 5*l.* each, 25,965 were issued and fully paid up; and of 19,000 ordinary shares of 5*l.* each, 15,617 were issued and fully paid up. No dividends had been paid on these preferences since September, 1892, and the company had outstanding first and second mortgage debentures at 5½ and 6 per cent., totalling 76,200*l.* A scheme had been arranged by which these debentures would be extinguished and exchanged for new debentures carrying 4½ per cent. The preference shareholders would forego their arrears of dividend, with certain possibilities, and for their 7-per-cent. cumulative debentures they would receive 5-per-cent. debentures; whilst of the ordinary shares two-thirds would be written off by way of their cancellation. This reduction had been rendered necessary by reason of losses amounting to over 55,000*l.*, attributed to the departure of the company from its original aims, making glass tubing, and also laying in and working for a twelvemonth at a dead loss machinery for making carbonic-acid gas. The minute proposed to be registered (duly approved by the shareholders in accordance with the articles of association) was as follows:—"The capital of Dan Rylands (Limited) henceforth is 214,610*l.*, divided into 35,000 preference shares of 5*l.* each, 2,383 ordinary shares of 5*l.* each, and 16,617 ordinary shares of 1*l.* 13s. 4*d.* each, instead of the former capital of 270,000*l.*, divided into 35,000 preference shares of 5*l.* each, and 19,000 ordinary shares of 5*l.* each. At the time of the registration of this minute 25,965 of the said preference shares and all of the said 16,617 ordinary shares of 1*l.* 13s. 4*d.* have been issued and have been and are to be deemed fully paid up—that is to say, the sum of 5*l.* has been and is to be deemed to be paid up on each of the said 16,617 ordinary shares." It having been resolved that the new debentures should be exchanged for the old ones on September 30 next, counsel urged that if the words "and reduced" had to be placed upon the new debentures the company would be prejudicially affected for all time. Mr. Justice Ridley said that he thought the circumstances were such that he might properly make the dispensation asked for.

## Sanitary Congress at Leeds.

**DR. ROBERT FARQUHARSON, M.P.**, who was the President of this year's Congress of the Sanitary Institute, astonished everybody by his wit and liveliness. Those who have heard him speak in "the House," or who take their estimate of him from Toby, M.P., are apt to think him incapable of anything like that, but perhaps he had taken a course of "Sparkling Puritzer." It was in respect to our ancestors that he joked in his presidential address. In a callous manner he tore away that veil of romance which has been thrown over them by describing in plain language the insanitary conditions in which they lived up to fifty years ago. Speaking of the curious way in which, when we have abolished one set of diseases, another band of successors sometimes springs up hydra-headed to plague poor humanity, he said:—

I suppose it must be so, for we poor mortals have not put on immortality, but must shuffle off our mortal coils in some swift or lingering way, so that if we are prevented from dying from one disease we must of sad necessity die from another, and diminution of one death-rate involves increase somewhere else. Enteric fever remains pretty stationary in the last ten years, but a drop from 309 in 1876 to 175 in 1895 does credit to our sanitary administration, and phthisis has gone down from 26,443 in 1876 to 22,775 in 1894. Small-pox has taken a satisfactory dip downward from 2,405 in 1876 to 33 in 1895. Measles, scarlet fever, and whooping-cough have killed fewer than formerly, but *per contra*, diphtheria has largely increased, and that is no doubt due, as Sir R. Thorne Thorne says in a private communication which I have received from him, "to the ever-growing facilities for personal infection, and other similar points have followed on the success in herding our child population into elementary schools at the very age at which they are most susceptible to this disease." Other diseases have also increased, and they are mostly diseases connected with the nervous system, and Crichton Browne was probably right in his opinion that not merely the nervous temperament, but the neurotic diathesis is on the increase among us. To begin with, it is a mournful but I fear an undoubted fact that more people go mad than formerly. I have not by me any statistics to prove this beyond the report of the Registrar-General for 1895, but there I find under the heading of insanity and general paralysis—a disease which was seldom heard of in former years—3,620 deaths in 1895, against 933 in 1876.

Dr. Farquharson had also a word to say for the manner in which we manage our sanitation. He expressed confidence in the local authorities, who give us value for our money, but he had a very poor opinion of that legislative assembly of which he is a member, so far as its dealings with public health are concerned. Both sides are bad, but that to which he belongs is the worst (he is a Radical). Suspicion of scientific methods and of progressive sanitation is deep-rooted in certain Radical quarters, and abstract views of personal liberty and distrust of the so-called tyranny of medical men sway a kind of plausible sentiment which is usually irresistible in its paralysing effects on hygienic legislation. A Member lately remarked with refreshing frankness when the Public Health (Scotland) Bill was under consideration, "When I see the doctors on both sides of the House agree my instinct tells me that something is wrong and I will vote against the amendment." Dr. Farquharson strongly urged the necessity for a Ministry of Health.

The President's "Hints for the Improvement of the Human Race" gave much satisfaction, and towards the close of the meeting a mysterious letter was found near his chair, which one authority hints was in the handwriting of "a veteran Baronet well known at St. Stephen's." It was in this style:—

I'm delighted, dear Doctor, to hear of this movement,  
For all must agree there's much room for improvement,  
For, in spite of our preaching and teaching, and schools,  
The race seems to me to be thundering fools.

\* \* \* \*

The old Ten Commandments they treat as a jest,  
And who kills and robs most they consider the best,  
The heroes of slaughter like gods they esteem;  
Truth, honour, and justice, they hold but a dream.

There was more of it, but that is enough for these pages.



## THE CHEMISTRY SECTION.

of the Congress did some good work. They take in meteorology and geology along with the chemistry, which gave Mr. Richard Reynolds, F.I.C., the opportunity for making public some of his meteorological observations. Mr. H. Crowther, F.R.M.S., and he, as members of the local Philosophical and Literary Society, have made daily observations of sunshine during the past ten years. Mr. Crowther at the Leeds Museum, which is in the centre of the city, Mr. Reynolds at his residence  $1\frac{1}{2}$  mile N.W. from the city centre, and another gentleman (Mr. C. S. Irvine) at Lawnswood Cemetery, Adel, 4 miles N.W. In the four years they had the following sunshine:—At the Museum, 10,140 hours 24 minutes; at Woodhouse Cliff, 12,250 hours 13 minutes; and at Adel, 13,512 hours 31 minutes, or from a little less than 3 to a little more than  $3\frac{1}{2}$  hours of sunshine per day. Sundays were better, and while the Museum had a quarter less sunshine than Adel in the first half of the decade (25.4 per cent. less) it has only a fifth less (19.2 per cent.) now.

A great deal was said about "water" in the section, and at the outset of the proceedings Professor Smithells, in moving the vote of thanks to Mr. W. Whitaker, B.A., F.R.S., Chairman, for his address, made the gratifying statement that it was a geologist who first used the term "Grains per gallon" in reference to water analysis. The chemists present were so delighted with this that they laughed loud and long.

Mr. Percy F. Kendall, of Yorkshire College, told the meeting all about "The Rocks of Yorkshire as a Source of Water Supply," which was very interesting but too all-embracing for treatment in these pages. It brought out a good discussion, in the course of which Mr. W. J. Dibdin, the L.C.C. chemist, said it was generally supposed that chalk water was free from suspicion as far as lead-poisoning was concerned, but he knew of a case at Croydon.

Next day (*i.e.*, Friday, September 17) Mr. J. Mitchell Wilson, M.D., D.P.H., Doncaster, read a paper on "Water Supplies from Wells in Rural Districts," and was followed by Mr. John C. Thresh, D.Sc., M.D., D.P.H., Ex-Ph.C., Medical Officer of Health to the Essex County Council, read a paper on "Water Supplies for Rural Districts and the Means of Protecting them from Contamination." There was quite a brisk discussion on these papers, but the only point which need be noticed is one that occurred in Dr. Thresh's reply. He had been asked how he succeeded in getting the Local Government Board's consent to small schemes, and to that he answered that he had had several battles with Local Government Board inspectors, and so far had been able to get pretty much what he wanted: which is quite characteristic of the doctor.

There was also a paper on the "Action of Lead on Water," by Mr. C. H. Tattersall, L.R.C.P., Medical Officer of Health for Oldham, which was read by Mr. Richardson, F.I.C., of Bradford. The action of moorland water was chiefly referred to, and the author's recommendations for avoiding plumbism were:—

- (1) That the water be got off the peaty gathering-grounds as quickly as possible;
- (2) That as much time as possible be given for subsidence and bleaching;
- (3) And most important, that the water be filtered through sand filters, or, failing this, be passed over "Paris white," as at Sheffield;
- (4) That block tin-lined lead piping of good quality be used for water service pipes instead of ordinary lead piping.

Mr. F. Branson and Mr. Richard Reynolds joined in the discussion, the former stating that carbonate of soda is a sure preventive of lead-solution, and Mr. Reynolds thought that in the analyst's returns it should be stated how long the water tested had been in the pipes.

## A HEALTH-EXHIBITION

is an indispensable accompaniment to the Congress. This year's one is held in the Camp Road Building, and will remain open until October 9. It is well worth a visit.

Ness & Co., Darlington, exhibit Thymo-cresol disinfecting specialties and disinfecting apparatus.

Donald Cameron and others, of Exeter, show models of the septic-tank system of sewage, in which the natural organisms occurring in sewage are allowed to purify it in

closed tanks, the result being that a large percentage of the so-called sludge is liquefied.

"Camwal's" Harrogate branch send a contingent of men and matters, their exhibit being large and well lighted, and including a welcome club, in shape of an old-fashioned cottage, where doctors, chemists, sanitary inspectors, &c., rest themselves.

J. S. Fry & Co. (Limited), of Bristol, make a good exhibit of their manufactures, amongst which the pure concentrated cocoa and the malted variety have chief place. A silver medal has been awarded to the firm for these goods.

Jeyes' Sanitary Compounds Company (Limited) have a large and attractive stand just opposite the entrance. It is full of the good things which have been so often referred to in these pages.

"Chloros" has been selected by the judges for further practical trial "is the announcement made on the United Alkali Company's stand. The new disinfectant seems to be going ahead.

Lawe's Chemical Company (Limited) also exhibit, but scarcely more than that; Stallman & Fulton, New York and London, again bring forward the goodly triplet—aloin, milk-sugar, and compressed rhubarb; Irving, Son & Jones, Liverpool, show "Manhu" food specialties; and Brand & Co., Mayfair, W., their well-known beef-essences, &c.

Reynolds & Branson figure largely. Their individual exhibit is chiefly optical, electrical, and hygienic, but they are the radiographers of the Exhibition, and Mr. Fred Reynolds, jun., has, at the request of the executive, arranged a hospital section, where various modes of treating the sick and injured are illustrated. This forms a complete hospital ward, and it delights everybody to walk through it, for there is no pain there. All the firm's ingenious surgical appliances are shown, and chemical apparatus and reagents, and physical and photographic instruments are exhibited by them at stall No. 82; and that "Sparkling Puritizer," already referred to, has a place at No. 91. It is the biggest thing of the kind that R. & B. have done yet.

An extensive and well-arranged exhibit of Mellin's food is placed right in the centre of the exhibition-hall, and the judges have also given it place by awarding it a bronze medal—the only food of the kind selected for this honour.

Disinfectants naturally figure prominently. We note half a dozen or more: The St. Bede disinfectant exhibited by the Hedworth Barium Company (Limited). Next comes F. C. Calvert & Co., to whose pure carbolic acid the judges have awarded a silver medal. Their exhibit is a very pretty stand in glass and oak, showing all their well-known specialties. Fleming's Oil and Chemical Company (Limited), Leadenhall Street, E.C., have a tastefully-arranged stand for camphylene disinfectants and most of their sanitary requisites. The Sanitas Company (Limited), Bethnal Green, E., have the largest stand in the disinfectant section, and Mr. Wills, the London representative, has made a nice display upon it. He also speaks well of business, for "Sanitas" is as popular as ever; and the enterprising managing director has his finger so well on the public pulse that new saleable things come from Bethnal Green at the nick of time. Their household disinfecting-soaps, *e.g.*, have caught on well. The Killgerm Company (Limited), Cleckheaton; A. Boake, Roberts & Co. (Limited); The Kocide Company, Leeds; and B. Kühn, St. Mary-at-Hill, E.C., also exhibit in this section. The last-named confines his exhibit to chinosol, which has had the distinction of being "selected for practical trial" by the judges, who were also so struck with "The Alformant" and formalin exhibited by the Formalin Hygienic Company, St. Mary-at-Hill, E.C., that they are giving them a practical trial.

Cadbury Brothers, Bournville, exhibit their cocoa, and carry away a silver medal as testimony to its excellence. Price's Patent Candle Company (Limited), Battersea, show night-lights, candles, glycerine, and soaps, and the judges selected the glycerine for distinction, awarding it a bronze medal. Vimbos (Limited), Queen Victoria Street, E.C., had a similar honour conferred upon their fluid beef. The exhibit is in a neat bamboo kiosk, which is in charge of an interesting young lady, who dispenses the fluid in small cups to all comers.

The exhibits in the sanitary engineering and fitting department are exceedingly interesting, and the best part of the show.



## Trade Notes.

THE *diplôme d'honneur*, which is one grade higher than the gold medal, has been awarded to "Vinolia" soap for toilet purposes at the International Exhibition at Brussels.

AT the Royal Court of Jersey, on September 18, local registration was obtained of certain trade-marks for Mr. Joseph Beecham (trading as Thomas Beecham), of St. Helens, Lancs.

THE VEGETABLE PARCHMENT AND CHEMICAL COMPANY (LIMITED), whose temporary offices are in Victoria Street, Liverpool, have completed arrangements for erecting works at Flint.

MESSRS. W. BUTCHER & SON, of Blackheath, have taken a stock-room at Anderton's Hotel, Fleet Street, where they will display their new samples of photographic cameras and accessories this week-end and the first part of next week. They hope dealers and others interested will visit them.

THE business of the Sun Camera Company (Limited) has been bought by Messrs. Lonsdale Brothers, of 22 Goswell Road, London. Mr. A. Lonsdale, of this firm, has lately started on a business-tour round the world, *via* San Francisco, British Columbia, China and Japan, Australia, and New Zealand (where he will stay some months), and back by Ceylon and India.

THE SPATULA PUBLISHING COMPANY, 8 Oliver Street, Boston, U.S.A., publish a catalogue of electros for illustrating chemists' advertisements. Some of them are a bit startling, but advertisers as a rule do not object to that. The catalogue is priced 10c. The company also send us a sample of a paper-clip, which is simply a piece of wire twisted into an X. For MSS. it is just the thing.

THOSE who want a good glue could do worse than try Mr. A. Brauer's brand. It is a product possessing high tenacity, purity in respect to colour, and remarkable freedom from that odour which makes the glue-pot so abhorrent to many. The skin glues are particularly suitable for pharmaceutical purposes. Mr. Brauer, whose address is Lüneburg, Germany, makes a speciality of glue in powder.

THE bold advertisement of Dr. Tibbles's Vi-cocoa is attracting much attention even in this age of lavish expenditure in that direction. The firm have just beaten their own and all other records (so we are told by Smith's Advertising Agency, who place all the Vi-cocoa advertisements) by contracting with the *Daily Telegraph* for a whole-page advertisement to appear in ten consecutive issues at 200l. per insertion.

MR. PETER MÖLLER has just prepared for distribution amongst medical men a concise pamphlet describing the properties of his hydroxyl-free cod-liver oil, in the manufacture of which, chemists will remember, an important new principle is involved, as a result of which those substances which induce eructation after cod-liver oil is taken are eliminated. Since the oil was introduced into England a few years ago it has been tried in a number of the leading sanatoria and hospitals for diseases of the chest, and chest physicians approve of it. Mr. Möller proposes to let the public know more about the oil, and this winter all the trams in Birmingham, Edinburgh, and Liverpool will have a pretty cod glacier showcard on them. The business end of this, so far as chemists are concerned, is a shield, which states "This new oil can be taken without causing any 'repeating' or eructation. It is absolutely pure, and may be obtained of all chemists." Copies of the glacier may be obtained by writing to 43 Snow Hill, E.C.

OVALINE BIRTHDAY-BOOK. — Peacock's Ovaline Soap Company (Limited), 145 Queen Victoria Street, E.C., are immediately to offer to the public a nicely-produced birthday-book free of cost. The book is handsomely got up in a sage and silver cloth cover with crimson edges, and on each page there are spaces for four dates and twelve signatures. Sentiments from the poets (a most catholic collection) are used for the days. This week D'Urfey, Tennyson, Crawford, Shelley, Burns, and Landon have contributed the senti-

ments. A copy of the birthday-book is to be sent to everyone who sends to the company nine wrappers of the 4d. cakes, or six of the 6d., or three of the 8d. The senders are to be asked to mention where they have purchased, but chemists can facilitate that inquiry by putting their label or india-rubber stamp on each wrapper when they sell the soap. Any chemist who retails the soap may get a copy of the birthday-book on application at the above address.

RUBBER BREAST-SHIELDS are not exactly new, but the one which Messrs. J. E. Ingram & Son, Hackney Wick, E., has just introduced has a stiff edge, so that it does not



buckle or curl up as the old-fashioned ones do. There is much to be said in favour of the rubber shield as against the glass kind, but all that chemists have to do in this matter is to show them when they will sell. The shield is used both as a protector and for feeding the child.

DIETERICH'S EXPORT-LIST. — Messrs. Charles Yarrow & Co., 36 Basinghall Street, E.C., export agents for Mr. Eugen Dieterich, of Helfenberg, have just published on his behalf a descriptive and illustrated catalogue ("expo t-list") of pharmaceutical specialities manufactured at the Helfenberg works. It extends to nearly 200 pages, is well got up, and being arranged on the "Where is it?" principle one can turn up any article desired in a moment. There is besides a complete index. The method of arrangement is novel, all the right-hand pages being devoted to prices of the articles, and the pages opposite to notes and illustrations. The following will give an idea what the notes are like:—

**Red oil conc. 1 : 10.**—This concentrated red oil (1 : 10) is a convenient basis for simple red oil and for lip-salve. The subjoined formula is a good one:—

### Lip-salve.

Mix  
100 parts of concentrated red oil,  
500 parts of sweet-almond oil,  
350 parts of yellow wax,  
50 parts of spermaceti,  
and  
5 parts each of oils of lemon and bergamot.

For preparing ordinary red oil add 9 parts of best olive oil or of sweet-almond oil to 1 part of the concentrated preparation.

The notes, as a rule, are instructive and useful; but we ought to point out that the formulæ for preparations which are in the British Pharmacopœia are the formulæ of the German Pharmacopœia. Why this should be in a book addressed to those who adopt British methods is hard to understand.

## Cabs.

CAMPHOR used to be sublimed in Philadelphia, but not now. Naphthalene has cut it out.

DURING 1896 the colony of Fiji imported drugs valued at 2,787l., as against 2,940l. in 1895.

A MIXICOLOGIST is a man who stands at an American druggist's soda-fountain and prepares the drink for you.

THERE is no L. D. S. of England in India, says the *Indian Medical Record*; and deustistry, which is such a paying profession, has few adherents in India.

A PHOSPHORESCENT BREATH is spoken about by correspondents of the *Brit Med. Jour.* What they mean is a breath with a phosphorous odour. Can that be "phosphorescent"?

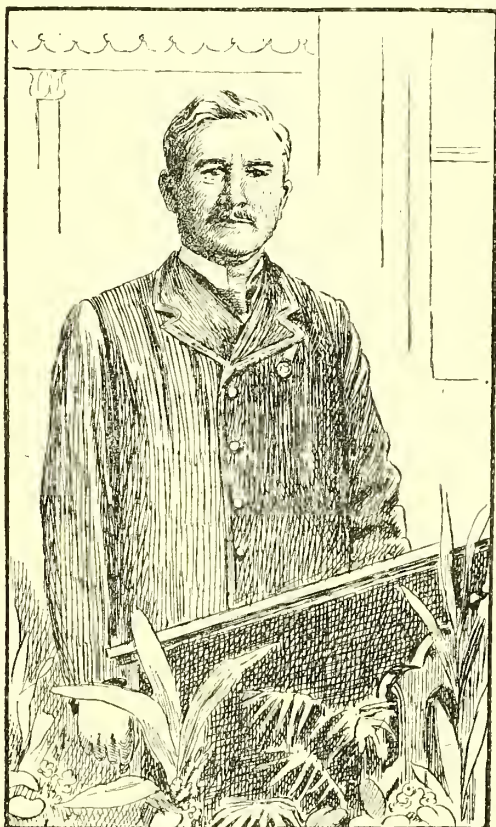
AN ANTIFEBRIN HABIT is now recognised by doctors. Some people take large doses of the drug in the form of headache-powders, and the heart-symptoms which supervene are a great worry to doctors.



## British Medical Association.

### MONTREAL MEETING.

THE medical profession of Canada made the sixty-fifth meeting of the British Medical Association one of the most enjoyable gatherings in the Association's history, notwithstanding that it was held outside the British Isles. It was in arrangements that the Canadians particularly shone. For the reception and entertainment of visitors, for making them thoroughly familiar with the district—its botany, geology, &c., as well as its topography—for facilitating the scientific proceedings, in these and every other conceivable direction, the local committees did their work as if such business was an every-day affair with them. Dr. T. G.



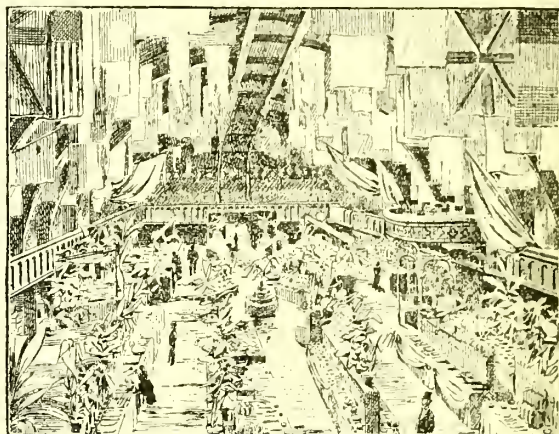
THE PRESIDENT DELIVERING HIS ADDRESS.

Roddick, M.P., of Montreal, the President of the year, was the very man for the position, because his work was as much that of an organiser as of a president, and he filled both parts of the bill. The meeting commenced in earnest on Monday, August 30, and lasted throughout that week. The whole of the McGill University buildings were devoted to the general and sectional meetings. By Friday, September 3, 867 members of the Association (including several hundreds from this side) and 259 guests, chiefly from the United States, had registered. Pharmacy only finds a show in the Association's proceedings in

#### THE ANNUAL MUSEUM,

but in this respect also the Montreal meeting was not behind. This year's Exhibition was held in the Victoria Skating-rink, one of the largest buildings in Montreal. Eleven car-loads of lumber and the services of forty men for twenty-two hours were required to put in a new floor, raising the skating area level with the promenade, and giving in all a floor measuring 220 feet by 96 feet. By Saturday, August 28,

this was filled completely with exhibits, and on Monday, August 30, the Museum was formally opened by his Worship the Mayor of Montreal. The retiring President, Dr. Henry Barnes, of Carlisle, was present, and upon being called upon



A GLIMPSE OF THE MUSEUM.

for a speech, said the exhibition was as good as anything done before, so that the efforts of the energetic Chairman, Dr. J. Perrigo; the Secretary, Dr. J. M. Jack; and the members of the Museum Committee, brought success. The exhibits were divided into two sections, A including foods and drugs, medical and surgical appliances; books, diagrams, charts; sanitary and ambulance appliances; sixty-five in all. The pathological, anatomical, and physiological exhibit (Section B) was in the McGill University. We confine our attention to Section A.

\* \* \* \*

Evans & Sons (Limited), Montreal and Toronto, had their exhibit placed near the centre of the building, and there they showed fluid extracts, granular effervescing salts, elixirs, and other pharmaceutical preparations, with Lilly's sugar-coated and gelatine-coated pills, Evans's "Elixir Digestive," and "Wine of Beechwood Creasote," two elegant and palatable preparations. Montserrat lime juice and cordial were given a prominent place, and samples were freely offered and taken. Amongst other articles which the firm exhibited we noticed Mawson's improved filter and the "Moffatt Formaldehyde Generator," which produces formaldehyde from wood alcohol. With this generator a large room may be completely sterilised in less time than is possible by fumigation with large quantities of sulphurous gas. Savarasse's capsules and other specialities of the firm were also represented.

Kerry, Watson & Co., Montreal and London, Ont., had a stand to the left of the main entrance, with a good assortment of pharmaceutical preparations, including fluid extracts, tinctures, elixirs, effervescing granulated salts, &c. A food which they make for infants and invalids, known as "Martin's Concentrated Cardinal Food," was also exhibited. The firm are sole agents in Canada for Wm. R. Warner & Co., Philadelphia, and exhibited a number of preparations manufactured by that firm, such as "Tono-Sumbul Cordial," the ionine-tablets for the breath, "Ingluvine," sugar-coated and gelatine-coated pills, granules, and parvules.

H. J. Dart & Co., Montreal, agents for the Paul Paquin Laboratories, St. Louis, Mo., showed a number of antitoxins and serums made in the Paquin Laboratories. They had also some fine mounting-outfits, containing the stains and accessories necessary for making bacteriological examinations of sputum, pus, &c. As agents for Sharp & Dohme,



Baltimore, they had on view a fine selection of fluid extracts and galenicals generally.

**Lyman, Sons & Co.**, wholesale druggists, Montreal, devoted their large space on the left of the centre aisle to a fine display of surgical instruments and appliances. The "Arnold Steam Steriliser," cylindrical or oval in form, is an inexpensive apparatus which gives an unvarying temperature in all parts of the sterilising-chamber without needing constant attention. "Marsh's Stethophone" gives clear and well-defined sounds without buzzing, and is well adapted for consultations and class demonstration, as it is supplied with extra forked attachment, whereby two persons can use it at the same time. The firm also exhibited Leitz microscopes, including No. 3, with a  $\frac{1}{16}$ -inch oil-immersion objective, which was lately exhibited at a meeting of the Royal Microscopical Society, London, when its working capabilities were highly spoken of.

**Howards & Sons**, Stratford, showed, through Messrs. Lyman, a collection of fine chemicals, the crystals of potassium bromide and iodide, of Rochelle salt and emetic tartar surpassing anything of the kind exhibited in Montreal before. Very handsome also were the caffeine and boracic acid. A large bell of camphor was supplemented by dainty cakes, and for dispensing use a large jar of flowers, which seems to be a permanent powder.

**Leeming, Miles & Co.**, importers, Montreal, exhibited Seabury & Johnson's plasters, cottons, lints, oiled silks and muslins, catgut and silk ligatures, and surgical and anti-septic dressings generally; also Nestlé's milk food, and Suchard's chocolate and cocoa, Hunyadi-János water, the Bovinine Company's beef-juice, the Ammonol Company's products, as well as the manufactures of the Mellier Drug Company, St. Louis, Mo.

**Gilmour Brothers & Co.**, Montreal, who represent Johnson & Johnson's, New York, made an excellent exhibit of that firm's goods, also of Upjohn's friable pills, Horlick's food, and Bégue's anæsthetic ethyl chloride.

**J. H. Chapman**, Montreal, importer of surgical instruments, &c., exhibited an extensive assortment of imported goods, among which we noticed a new centrifugal machine by Metzger for urine and blood, light aluminium tubes being used for urine, size about 3 inches by  $\frac{1}{2}$  inch and narrow glass, about  $\frac{1}{16}$  inch in bore for blood, ether cones of aluminium, spun in one piece, Dr. Roddick's pattern aseptic serum and exploring-syringes, &c. As agent for Nacet & Fils, Paris, Mr. Chapman had on view a number of microscopes made by that well-known house, including dissecting, bacteriological models, travelling-microscopes, &c.

**Paterson & Foster**, Montreal, importers of surgeons' instruments, bacteriological apparatus, &c., showed an extensive collection of Dr. C. Grubler's micro-stains, for which they are agents in Canada; chloride of silver dry-cell batteries, and other electric appliances. As agents for the Sanitary Construction Company, New York, they showed formaldehyde generators in two sizes, a small one sufficient for apartments of 3,000 feet, and a large one capable of sterilising 30,000 feet. They are also agents for C. Reichert's microscopes, and showed these attractively.

**The Alpha Rubber Company**, Montreal, exhibited their patent atomisers, the feature of which is that the tube which connects the bulb with the hard rubber spray is so constructed as to form a self-acting, expelling reservoir, which forces its supply of air forward into the spray. With this atomiser a continuous spray is produced with little fatigue to the hand. The "Alpha" bed-pans have a pliable surface, and form a cushion for the patient. The "Alpha" and "Omega" syringes produce an absolutely continuous flow with one bulb. The Company also make catheters.

**John D. Duncan**, Montreal, is licensee for the Walker-Gordon Laboratory, Boston, U.S., which was established for the purpose of supplying "Modified Milk" upon the prescription of the physician. These laboratories do not advise as to the proper milk required for feeding, nor sell directly to the mother or nurse. Mr. Duncan had on exhibition a number of tubes containing specimens of the "Modified

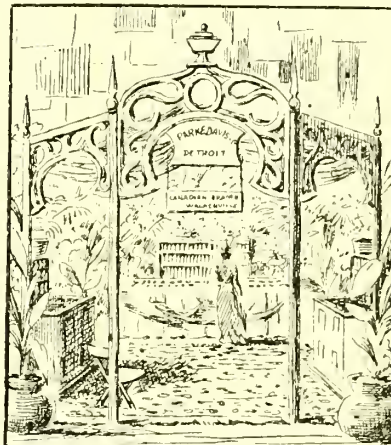
Milk," such as he has been supplying with encouraging success to the Montreal public. The following is the prescription-form supplied:—

|                       | Per cent.  | Remarks.               |
|-----------------------|------------|------------------------|
| Fat ... ..            |            | Number of feedings     |
| Milk-sugar ... ..     |            | Amount at each feeding |
| Albuminoids ... ..    |            | Infant's age           |
| Mineral matter ... .. |            | Infant's weight        |
| Total solids ... ..   |            | Alkalinity             |
| Water ... ..          |            | Heat at                |
|                       | 100 00     | °F                     |
| For whom ordered.     |            |                        |
| Date,                 | Signature, |                        |

**Bernhard Lindman**, truss-manufacturer, Montreal, showed a truss in which the pressure on the pads can be regulated at will by means of the patent joint, so obtaining comfort when the body is active or at rest. It is convertible from a right to a left, from single to double.

**J. M. Grosvenor & Co.**, Boston, Mass., exhibited "Kon-seal" cachets and I.R. plasters.

**Parke, Davis & Co.**, Detroit (Canadian branch, Walkerville, Ont.), had an extensive assortment of fluid, solid, and powdered extracts, elixirs, sugar and gelatine coated pills, tablets hypodermic and ophthalmic, gelatine capsules, &c.



They also exhibited culture-media tubes, blood-serum, anti-diphtheritic serum, and other serums, from the physiological department of their works. The exhibit was in charge of Professor F. G. Ryan, Philadelphia College of Pharmacy.

**The Apollinaris Company's** products were exhibited by Charles Graef & Co., the Canadian and U.S. agents. "Apollinaris," "Apenta," and "Friedrichshall" constituted the exhibit.

**Radnor Water** is bottled by Messrs. Drummond, McCall & Co. at Radnor Mineral Springs, Radnor Forges, P.Q. It contains in 10,000 parts 14.3 NaCl, 1.69 NaHCO<sub>3</sub>, .08 NaBr, 1.26 MgSO<sub>4</sub>, .21 KCl, and is said to be of value in stomachic and intestinal disorders; but the statement that it is the only mineral water impregnated with sodium bromide is scarcely correct.

**Laurentian Springs Water Company**, Montreal, tap a natural water in which lime and magnesia salts are almost nil; but each imperial gallon contains 32.37 gr. sodium bicar-



bonate. The water is bottled in the form of soda-water and table-water, and enjoys extensive patronage. Ginger-ale, cream-soda, lemonade, and other beverages are also made from it.

**Charles Gurd & Co.**, Montreal, manufacturers of aerated beverages and medicated waters, made a neat show of soda-water, Vichy, lithia, Kissingen, &c. They are agents for the Caledonian waters also, and exhibit the saline, sulphur, and Duncan waters direct from the celebrated Caledonia Springs, Prescott County, Ont., a spot greatly favoured by Canadians on account of the valuable medicinal properties of these waters.

Two large frames containing views of the hot mineral springs of Bath, England, were sent over by the Corporation of Bath, and proved a centre of attraction, particularly for our English visitors. Hosts of writers have told about the visitors of these springs, and among the great men who have visited them Mr. Pickwick and Sam Weller will be always remembered.

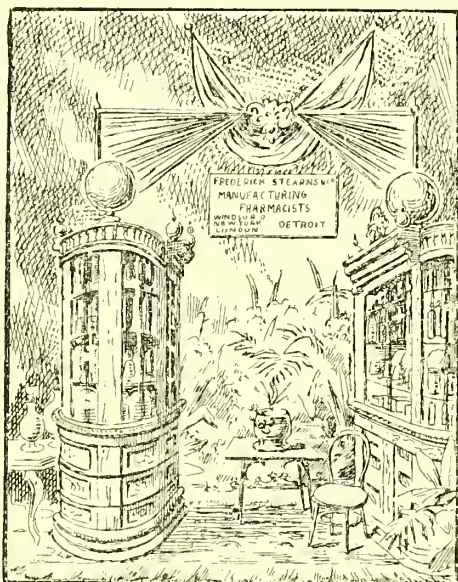
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**Armour & Co.**, Chicago and London, exhibited beef extract and other dietetic preparations of beef, besides an excellent assortment of digestive ferments and organo-therapeutic agents. A nutrient wine of beef peptone, each fluid ounce of which was equal to 1 oz. of lean beef, was much appreciated.

**J. Ellwood Lee & Co.**, Conshohocken, Pa., through their Canadian agents, Davis & Lawrence Co. (Limited), Montreal, made a good display of their surgical specialities. We also noticed on their stand "Floating-labels" for slipping into the various strengths of solution used—these are flattened glass tubes containing a paper slip on which is marked the strength, &c.; the tubes are sealed by blowpipe, and might be of service to those working with arbitrary volumetric solutions.

**Bovril (Limited)** made a good show, and many a medico visited it after a morning spent in sessional work at McGill, for the chief preparation was freely offered. The company made a special feature of their invalid foods.

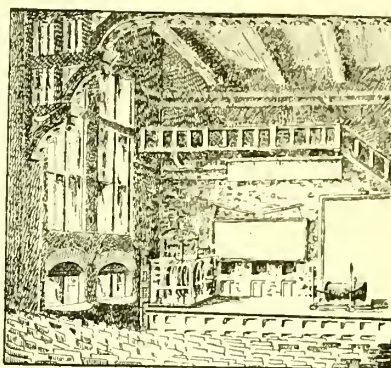
**Frederick Stearns & Co.**, Detroit and Windsor, Ont., exhibited a varied line of their pharmaceutical preparations



and proprietary articles; but we did not notice anything which has not already been mentioned in the *C. & D.* The exhibit was, however, one of the best in the Rink.

The **Liverpool Lint Company** made a fine display of their transpirable-wool goods in the shape of undervests, belts, and chest-protectors, absorbent, bleached, and grey cotton-wools, flax and cotton lints, protective lint, and all the other specialities to which we have had recent occasion to refer.

**Down Brothers**, of 21 St. Thomas's Street, London, made one of the finest exhibits of surgical instruments and apparatus. Among those of special interest were the ether-inhaler, by Mr. Tyrrell (St. Thomas's), with double water-jacket; the Rumboll-Birch gas and ether inhaler; and Amyard's milk-sterilisers.



THE LECTURE-ROOM, PHYSICS LABORATORY,  
MCGILL UNIVERSITY.

At the B.M.A. conversazione a mummy was unrolled on the platform and the x rays applied to it, the large fluorescent screen behind the coil being used to show the figure.

The **Kny Scheerer Co.**, New York, London, and Berlin, made a large and attractive show of apparatus and instruments, like the one last mentioned. Among the apparatus for sterilisation and disinfection was one for sterilising surgical dressings under steam-pressure, with vacuum apparatus to secure penetration and dry the dressings after steaming.

**W. Lloyd Wood**, Toronto, exhibited O'Keefe's liquid malt-extract, which is prepared from Canadian barley-malt and English and Bohemian hops. It is rich in maltose, diastase, and the tonic and sedative properties of hops, and contains the lowest possible percentage of alcohol. Mr. Wood makes a very neat show with this preparation, and with "Listerine," "The Standard Antiseptic."

\* \* \* \*

**R. L. Gibson**, Toronto, who is agent for half-a-dozen manufacturing houses, made an attractive combination with their various products, Duncan, Flockhart & Co.'s chloroform having prominent place, as well as their capsules and other pharmaceuticals. For the Maltine Manufacturing Company Mr. Gibson showed maltine preparations; for the New York Pharmaceutical Association, lactopeptine in powder, tablets, and elixir; for the Arlington Chemical Company, beef peptonoids; and for Reed & Carnrick, proto-nuclein, peptenzyme, and soluble food.

**Henry K. Wampole & Co.**, Philadelphia, exhibited tasteless preparation of cod-liver oil compounded with malt-extract, wild cherry, and syrup of the hypophosphites; syrup of hydriodic acid, and other galenical preparations.

In the centre of the large building was the exhibit of the **H. K. Mulford Company**, Philadelphia and Chicago, comprising biological products, compressed goods, diphtheria-antitoxin, antituberculin, &c.

**Alexander Riddle & Co.**, London, through their Canadian agents, A. P. Tippet & Co., Montreal, showed "Stower's Lime-juice Cordial." A. P. Tippet & Co. are also agents for "Lazenby's Soup Squares," which quite interested those who had not seen them before.

**John Wyeth & Brothers**, Philadelphia, had a stand close by the east entrance covered with curiously-shaped glass vessels containing their compressed pills, discs, tablets, lozenges, &c., besides a fairly full line of the usual effervescent salts, pure pepsin, pancreatin, and powdered thyroid gland.

**Vimbos (Limited)**, London and Edinburgh, made an attractive show with their fluid beef and beef lozenges.



**Doliber-Goodale Company**, Boston, Mass., exhibited Mellin's food.

**Pabst Brewing Company**, Milwaukee, Wis., occupied a prominent position on the right of the main entrance with their well-known malt-extract, which was cooled on ice and served gratuitously to visitors. It is alcoholic.

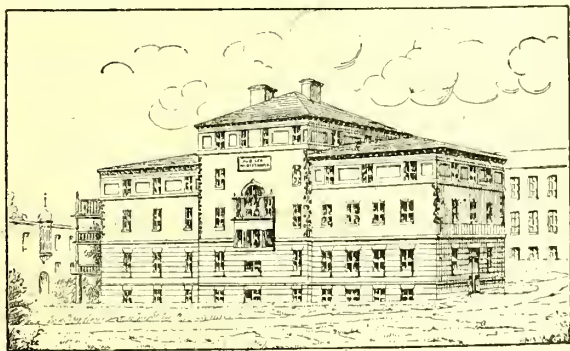
**Fairchild Brothers & Foster**, New York, exhibited their digestive ferments and predigested foods. Their extractum pancreatis is a pure extract of the pancreas containing all the pancreas principles in powder form—viz., trypsin, diastase, the emulsive ferment, and the milk-curdling ferment. It was shown in tablets pure and compounded with pancreatin, or with pepsin and pancreatin. The diastasic essence of pancreas is a starch-digesting solution suitable for addition to farinaceous foods. It conveys no flavour to the food, except the agreeable taste of the converted starches. "Enzymol" is an artificial gastric juice prepared for external application. It is painless as a solvent, and may be freely used for removing dead tissue, pus, &c., from old sores, indolent ulcers, and wounds. The firm also showed all their peptic products.

**Schieffelin & Co.**, New York, made an excellent exhibit of their chemical and pharmaceutical preparations. Here our attention was called to a few specialties—e.g., the cocaine discoids, containing  $\frac{1}{8}$ ,  $\frac{1}{4}$ , or  $\frac{1}{2}$  gr. of cocaine hydrochloride, from which a solution can be prepared of exact strength just before an operation. Cocaine-salts are manufactured largely by Schieffelin & Co., who claim that they are free from cinnamyl-cocaine, ecgonine, hygrine, or any of the associate bases found in coca-leaves. "Benzolyptus" is a powerfully-antiseptic alkaline liquid, of pleasant taste and odour, useful in nasal catarrh or as a mouth-wash and dentifrice. The exhibit also included medicated soaps; ox-gall soap, 30 per cent. (useful article for removing stains from fabrics and preventing the running of colour when washing); and the American Biscuit & Manufacturing Company's new biscuits, containing 10 per cent. of somatose, which are an agreeable food for debilitated persons and convalescents.

**The Hot Appliances Company**, New York, exhibited an ingenious piece of apparatus for the application of heat as a remedial agent. This is the "Geyser Hot Appliance," which consists of a metal cylinder in which water is heated by an automatically regulated spirit-lamp; the water is then forced out through a coil of indiarubber tubing, and kept in circulation for any length of time and at any desired temperature, a little attention to the lamp only being necessary once in twenty-four hours. The pad to which the coil is attached is applied to any part of the body, and by using wet flannel between it and the skin a good substitute for a poultice or hot fermentation is obtained.

**W. H. Chapman**, agent in Montreal for the Galvanic Battery Works Company, Toronto, and for J. Stevens & Son, surgical-instrument makers, London, England, made a good show of apparatus and surgeons' instruments.

As usual there was a good exhibit of books. The exhibition, as a whole, proved very attractive, and is likely to lead to business.



THE JUBILEE NURSES' HOME, MONTREAL.

The foundation-stone of this building was laid by Lord Lister, P.R.S., while he was in Canada. Our sketch is from the architect's plan, and shows the Home when completed.

## Personalities.

**MR. JOHN R. MARTEX**, A.P.S., has been appointed lecturer on Pharmacy and Dispensing to the Brighton Municipal School of Science and Technology.

The junior members of the Plymouth, Devonport, Stonehouse and District Chemists' Association have presented Mr. J. R. Johnson, Royal Naval Hospital, with a splendid pair of bronzes as a wedding present.


**DR. REYNOLDS GREEN**, "professor to the Pharmaceutical Society of London and Great Britain, examiner in botany to the University of London, was a Minneapolis visitor the other day," writes a *Pharmaceutical Era* correspondent. "Professor Green is one of the leading botanists of the world. Most of the day was used up in looking over the Minnesota State University plant, under the tutelage of Professor MacDougall, of the University. Dr. Green came to America to attend the Convention of the British Association at Toronto last month. He is now making a tour of investigation and observation among the leading universities of the country. He talked about the great similarity of the universities of the two countries. The greatest point of difference was in the matter of the freedom of the students. In the English institutions the students for the most part live in college rooms, and are disciplined to a much greater extent than in this country. The professor stated that he had always had had a great respect for the colleges of the American variety, but admitted that he was considerably surprised at their size, and that of the Minnesota University in particular."

**MR. W. A. WRENN**, the English medallist at the International Pharmaceutical Congress, is not without honour in his own country. At the last meeting of the Town Council the Mayor said a Jubilee medal had been conferred upon himself. This was due to no merit of his own, but an honour had been conferred upon a gentleman in that room which had been thoroughly earned. As they were aware, an International Pharmaceutical Congress had just been held at Brussels, at which gentlemen had met together from all parts of the world to discuss questions which might prove of world-wide benefit and importance. He believed he was right in saying that only once before had the honour which Councillor Wrenn had gained ever reached England, and it was especially agreeable to them in Taunton that in this year, which he understood was the year of the Jubilee of the Society or Conference, and when no doubt every effort was made to make the Conference the most successful ever held, the honour should have come, in the face of the great competition amongst the nations of the world, not only to England but to Taunton. This was a matter of national congratulation, and was an honour which they prized immensely. As this was a matter of International importance, he should like to suggest that they should enter in their minute book a record of their congratulations to Councillor Wrenn and the circumstances under which they were given. The Mayor's suggestion was agreed to, and Councillor Wrenn, in responding, said he never felt prouder of being an Englishman than when he stood up to receive the medal. The National Anthem was played, and he never realised its full force until then. The subject which he took was really an International one and he took it for this reason, that he feared for many years that one part of an English industry which held its own in the neighbourhood in which he was born was fast going over to Germany, and as he thought it was going away by misconception, he wrote a somewhat caustic essay upon the merits and demerits of English and German essential oils. The jury were good enough to award him the medal, and he should always look upon it with pleasure, bearing in mind the many distinguished men who had previously received the honour, although he could never hope to follow the subsequent fame of his English predecessors.

**IN A BOSTON PHARMACY.**—A lady customer, approaching the assistant, said: "A bottle of Wood's Impudentparilla, please." Observing his discomfiture she hastened to explain: "You know 'tis not good form to say 'sassy'-parilla, and the Browning Circle have made the change."



GOLD MEDALS 1884-1885-1886-1888.

 **"SANITAS"**  
DISINFECTANTS

TRADE MARK.

"SANITAS" EUCALYPTUS PREPARATIONS.

Kingzett's Patent Sulphur Candles,  
Kingzett's Patent Drain Testers,  
Patent Preserved Peroxide of Hydrogen,  
Mercuric Bactericide, Eucalyptus Oils.

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| L. G. B. Corrosive Sublimate<br>Permanganate of Potash<br>Carbolic Acid | Soluble Antiseptic<br>Pellets. |
|-------------------------------------------------------------------------|--------------------------------|

"Okol" and "Creocide" Fluids and Powders; Chloride of Zinc; Carbolic Fluids, Powders, Acid, and Soaps; Soluble Carbulated Creosote; Moth Paper; Weed Destroyer, Sheep Dips, &c.

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**ELLIS'S** "Well charged with gas, and in every respect of the very best quality for drinking."—PERCY F. FRANKLAND, B.Sc., F.C.S.

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—Medical Press.

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**R. ELLIS & SON, RUTHIN, NORTH WALES.**  
London Agents: W. BEST & SONS, Henrietta Street, Cavendish Square.

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**ELLIMAN'S** **8 1/2** **EMBROCATION**

7/8, 10 per cent. discount upon gross lots, or assorted in general order.

**ELLIMAN, SONS & CO., SLOUGH, ENGLAND.**

**HORA & CO.**  
47 MINORIES, LONDON,  
Special Agents for Finest Brands  
**COD LIVER OIL**

Sample and Price on application, stating quantity required.

**JOHN MOSS & CO.'S**  
**PERFECTED "GALEN"**  
**ELASTIC CAPSULES.**

Elegant in appearance and shape. Free from taste or smell. Do not pit. Readily soluble. Quite full. Contents pure and of the highest quality.

**IN BULK OR BOXES.**

Customer's own Name and Address on Labels if desired.

Apply for Samples and Prices before Buying elsewhere.

**THE GALEN MAN'F'G CO., Lim.**  
Wilson Street, New Cross Road, S.E.

**PUREST IN ENGLAND.**

**BOURNE** SODA, SELTZER,  
LITHIA, POTASH, LEMONADE,  
GINGER ALE, &c.

Supplied in Six Dozen Cases, Carriage Paid, by **TABLE** Analysis, &c., on Application.

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BOURNE,  
LINCOLNSHIRE. **WATERS**

West End Agents, **WHEATLEY & SONS**, 24 South Andley Street, W  
City Agents, **RAE & CO.**, 6 Railway Place, Fenchurch Street, E.C.  
And of all Chemists, Wine Merchants, Hotels, &c.

**COCA-TONIC CHAMPAGNE**

Prepared and Bottled by the Growers at Bouzy Reims, from the finest Natural Champagne, and the leaves of the Erythroxylon Coca, and not from Cocaine. We supply "Coca-Tonic" Champagne with Chemists' own name on the Labels.

For prices and particulars, apply to the Sole Proprietors—  
**HERTZ & COLLINGWOOD**, 39 Leadenhall Street, LONDON, E.C.

**HORLICK'S**  
**MALTED MILK**  
FOR  
**Infants & Invalids.**

34 FARRINGDON ROAD, E.C.



"INDECISION AND DELAY ARE THE PARENTS OF FAILURE."

If you would avoid such an offspring do not postpone the adoption of

**Fletchers' Concentrated Liquors.**

**FOREIGN COMPETITION IN  
COLONIAL MARKETS.**

NEARLY two years have passed since Mr. Chamberlain issued his much-talked-of despatch asking for information concerning the alleged encroachments of foreign on British goods in colonial markets. The despatch attracted an



unusual amount of attention because, at the time of its publication, we were in the midst of one of our periodical panics about the condition of our industries and commerce. But only now, when the panic has died away, and Mr. Chamberlain's despatch was almost forgotten, the Colonial Office suddenly issue a big Blue-book containing the replies of various colonial governors and public bodies to the right hon. gentleman's inquiries.

We have read the book with considerable interest, although in many important points it falls short of our expectations. Its chief drawback is the length of time that has been allowed to elapse before the publication of the replies. In many cases, too, little trouble appears to have been taken in collecting and arranging the information. Some colonies, such as the Straits Settlements, adopted the wise and obvious course of appointing a committee of representative merchants to make inquiries and draw up a reply; others contented themselves with setting an official to copy a set of partly meaningless partly misleading statistics. Still, we consider that some of the replies relating to our export-trade in druggists' goods are of great value, and that the careful perusal of the abstracts which we published last week, and those that appear in the present issue, cannot fail to be advantageous to British merchants and manufacturers.

For it would be a fatal mistake to suppose that because the conclusions of the colonial replies are, on the whole, fairly reassuring, British merchants can afford to continue to treat their foreign rivals with the magnificent disdain (tempered by occasional panics) that they have displayed in the past. There is no reason to doubt that in the great staple industries—textiles, iron, coal, shipping, &c.—Britain still holds her own against all comers. But in many minor, though still important, branches of industry our hold is slipping away; in some of them, in fact, we have already sunk to fourth or fifth rate importance. And, what is worse, the report clearly shows that our failures are mostly due to ourselves.

Without going deeply into the question of the alleged better general and technical training of the foreigner, we may ask, for instance, how it is that we are told by a dozen different colonies that in high-class perfumery Britain cannot hold a candle to France? Quality for quality, some of our would-be purchasers say, high-class British scents are considered as good as French, but they fall hopelessly behind in attractiveness of get-up. Again, why should the United States, and even Germany, beat us in surgical instruments, as they do in Canada and elsewhere? Have we lost our artistic sense? Is the old British excellence of craftsmanship gone? Surely not; we are simply losing our perfumery and instrument trades because we have become sleepy, careless, and conceited. On the other hand, look at the reports with respect to the soap-business. In that industry Britain, by all accounts, has scarcely a rival. In almost every colony we supply the bulk of the requirements. Some of the energy, manufacturing-skill, and business-push that we have put into the soap-business seems to be sadly required in other departments.

It is the fashion in certain quarters to sneer on all occasions at the "cheap and nasty" character of foreign competition. But the Blue-book shows beyond doubt that where France and America compete successfully with us it is in high-class goods rather than shoddy. As for Germany, it is quite true that a large proportion of her exports consists of rubbish; but our manufacturers will do well to remember that in some branches of trade Germany makes first-class products, and that her output of such goods is increasing

every year. The unexampled opening-up of savage and semi-savage markets during the present generation has created an enormous demand for cheap, flashy wares. Germany supplies that demand at present; Japan may do so before the century is out. In goods of this character Britain is not likely ever to compete to a large extent, and perhaps it is as well she should not, though there is a significant paragraph in the Blue-book pointing out how the trade in cheap clothing for the African market has been transferred from Germany to Britain since the advent in this country of the Polish Jew.

The report incidentally disposes of another fallacy of which much is made occasionally—viz., that the success of foreign competition is largely due to the fraudulent marking of goods and the piracy of English trade-marks. Only one colony out of thirty says that such piracy is at all prevalent. We are afraid that, in order to find the true reasons of our discomfiture in certain branches of industry we must look nearer home. Excessive business conservatism, want of intelligent appreciation of foreign tastes and wishes, apathy, and indifference—these are the enemies, and they are aided by the splendid advertisement we have given the foreigner in our Merchandise Marks Act, by our excessive dock and warehousing charges, and by the fact that foreign railway and steamship freights are very much lower than British.

At present the evil has not yet reached dangerous dimensions. The proportion of foreign to British goods consumed in our colonies is apparently not any larger now than ten years ago. But the time has come to set our house in order, and to profit by the unpalatable but wholesome lectures given us by our colonial informants.

## DENTISTS AND DRUGGISTS.

THE last number of the *Journal of the British Dental Association* (September 15) contains a report of the annual meeting of that body, which was held at Dublin in August. In the Secretary's report for the year we find the following paragraph:—

The Business Committee has been engaged in correspondence with the Editor of THE CHEMIST AND DRUGGIST, a trade journal of extensive circulation. The Editor was anxious that we should undertake a friendly case to test the supposed rights of chemists to practise as dentists, but as we were so far satisfied with our legal position, we had no inducement to respond to his challenge; and the subsequent decision in the case of the *British Dental Association v. Jackson*, a chemist, justified the position of the Committee.

It ought not to be necessary to inform a committee with so much experience of law as this one has that the *Jackson* case justifies nothing at all. We asked the *British Dental Association* to agree with us on a case to be submitted to the High Court to settle once for all our divergent views of the scope of the Dentists Act. We are not surprised that the Association is not eager to bring the bold claims some of its officials have made to such a test. The *Jackson* case referred to was reported in this journal. Mr. Jackson is a chemist at Blackpool, who was summoned before the Magistrates on February 15 last. The following were the incriminating documents, exhibited in or in front of his shop:—"About the teeth consult Oliver Jackson; over 2,000 living testimonials"; "Single sets from 21s., complete sets 42s.; consult Oliver Jackson, chemist's shop opposite the Post Office"; "High-class dentistry in all its branches"; "Dental consulting-room." Mr. Jackson seems to have been properly defended, but the Bench fined him 40s. and costs. The case was not carried any farther.

That case was not brought to our knowledge before it was

heard, and we may say that it was a rather stronger one than we should care to undertake. We think the words "dentistry" and "dental" had better be avoided, though we decline to believe that they are in the least degree illegal. The Judges of the High Court simply mocked at the exactly analogous claim which was put before them in the veterinary-chemist case in regard to the adjective "veterinary." What the Dentists' Act forbids is clear and definite. It is the assumption of the title "dentist" or anything which implies special qualification. Anybody else has a perfect right to perform all dental operations, and if he has that right he has an equal right to say that he does this in the most exact English at his command.

It is an interesting addition to the report that the Treasurer's statement showed that the Association has a reserve fund of 800*l.*, and that the balance of income over expenditure was 35*l.* 15*s.* 10*d.*

### ASSISTANTS' TESTIMONIALS.

A CHEMIST writes to us respecting an assistant whom he engaged, who came to him on a Saturday, left on the Sunday, and has not since been heard of. On engaging him the assistant produced two testimonials, which were "most satisfactory." The chemist has since written to one of these testifiers, and has had no answer. He feels sure that the reference is false. Very likely it is; but we cannot expose people on such evidence as this. We have often commented on the careless way in which chemists often engage assistants. Surely they do not expect that the testimonial which the man carries about with him and produces will be any other than "most satisfactory." Our correspondent also tells us that this assistant "says he has the Minor qualification." He may or may not have it. His name does not appear on the register at the address given. Another case of this kind came before us a week or two ago. A chemist particularly wanted a qualified man. He complacently engaged the first one that came to him, and "who said he had the Minor qualification." A copy of the register can be seen at the local secretary's, and few honest applicants are so friendless that they cannot establish their identity. We have known chemists who pride themselves on their insight; who never "ask for a reference." But these men are exceptionally clever. The ordinary pharmacist should take every reasonable precaution before admitting a stranger behind his counter and in his home. It is the disregard of due investigation that encourages the thieves and prowlers of the trade.

One word may be added as to the application for, and giving of, testimonials. No one is under any obligation to give a testimonial; his only obligation is to give a true statement if he gives any. But few chemists will refuse the courtesy if asked for it politely. There are, however, some people who seem not to understand this elementary position. They demand a detailed reply in a peremptory manner; never think of enclosing a stamped envelope, which should always be sent; and are apt to complain if the writer's report does not cover exactly what they asked about. Due consideration for the difficulty of answering all sorts of specific questions should be maintained.

### REFUSAL OF WINE-LICENCE CERTIFICATES.

The *Law Times* of September 18 directs the attention of the legal profession to the "curiously widespread misapprehension" in respect to the granting of off-licences for the sale of wines and spirits. We have ourselves several times stated that Justices have only a limited discretion in the refusal of certificates for such licences, and chemists have, in conse-

quence of our notes, often explained the law to Benches. The Magistrates' power to refuse a licence is restricted to reasons affecting the applicant's character, and to the suitability of his premises. It may also be refused if he has previously held any such licence, and has lost it through misconduct. The *Law Times* notes that chemists are applying for these licences in increasing numbers, and refers to some instances in which they have been illegally refused.

Many of the Justices appear, notwithstanding the very plain language of section 8, to imagine that they still have a general discretion, and refuse the applications without assigning any grounds, though they are bound to state upon which of the four they have so refused. Opposition is, in other cases, successfully taken on the ground that the needs of the neighbourhood do not call for the grant of a licence—a consideration which cannot properly be taken into account by the Magistrates, however much it may be morally justifiable to do so.

The illegality of making it a condition of the licence that the applicant shall sell only medicated wines is also pointed out, and the legal journal concludes by stating out that there is no appeal to Quarter Sessions against the refusal of a new licence, though there is in case of a renewal or transfer. If the Bench refuse the licence on some ground other than one of the specified ones, there is no remedy except the expensive one of a *mandamus* from the High Court. The section apparently, however, leaves to the Justices discretion with regard to the sufficiency of the evidence given by the applicant on each of the four grounds, and especially of his good character. Therefore, even if an applicant be prepared with affirmative evidence of good character, it would seem the Justices might refuse the licence on the ground that they were not satisfied with such evidence, and their refusal would not be open to review, except perhaps by means of a *mandamus* on the ground that their decision was such as no reasonable person could have arrived at on the evidence tendered, or that they had not in fact exercised a judicial discretion.

### PHARMACEUTICAL TRAINING.

We are pleased to observe a growing disposition on the part of those who are controlling technical education to take the needs of the drug-trade into consideration. Elsewhere in this issue we note the continuation of the special pharmaceutical classes at the Brighton Technical Institute. We have also received particulars this week of a pharmaceutical course which has been started at the South-West London Polytechnic Institute, Manresa Road, Chelsea. The professor of chemistry there is Mr. J. B. Coleman, formerly senior demonstrator to Professor Clowes, at Nottingham University College. While there he had good opportunities of seeing how the pharmaceutical course in that college was carried out, and he now brings practically the same system to the metropolis. The system is, we consider, an ideal one for young pharmacists, because, with one or two nights a week during the winter session, it takes them, in the course of three years, over the scientific work of the craft, and stimulates in them the liking for study. At the Chelsea Institute this winter the pharmaceutical course will commence with chemistry—thirty lectures to be delivered on Wednesday evenings, at 8.30, starting on September 29. The lectures will cover most of the syllabus of the Minor examinations. During the first term the non-metals and their compounds will be studied, methods of manipulation will be shown, and construction of apparatus illustrated. In the second term the more important pharmaceutical preparations of the metals will be treated of. The methods of testing for and the separation of the metals will be illustrated by experiments. During the third term the properties and tests for the acid radicals will be given, together with some of the commoner organic acids and bases.



The fee for the lectures alone is 6s., and for the lectures and practical work 10s. Next session classes in botany and materia medica will be held. We hope that many young chemists in the Institute district will be able to take advantage of the classes. The Institute is now in its third session. Day courses of two and three years' duration are given in chemistry, mechanical and electrical engineering, suited to the requirements of chemists, analysts, engineers, and others. The chemical department is designed and equipped for qualitative and quantitative analysis and advanced chemical work. Evening courses are given on pure and applied chemistry, and, besides the special classes mentioned, such subjects as oils and varnishes, coal-tar colours, and photography will be treated.

#### FOR THE BENEFIT OF SCIENCE.

Coroners do not usually err on the side of too much distrust of their powers. In the South of England they commit people to gaol on the slightest pretext, and all over the country they evolve laws out of their own consciousness and pounce on chemists who infringe this fancy legislation. But Dr. Wynn Westcott must be a shining exception in the matter of modesty, if such an expression can be permitted. He was holding an inquest at Hackney on September 16 respecting the death of an oilman named Mackin, aged 77, who appeared to have died through taking an overdose of laudanum, to which he was accustomed. The son of the deceased, after giving his evidence, asked the Coroner if it was right for a doctor to take away a portion of his father's body without the sanction of the son. To which Dr. Westcott replied, "It is the custom of the law for the doctor to keep back any part of the body that might be required for analysis." Then this conversation ensued:—

The Son: Exactly. But this is not the intestines; it is a finger. The Coroner: I have given no order for his finger to be taken away. The Son: Well, the second finger of the left hand has disappeared. Dr. Hanks: I excised the finger to examine it. The Son: Had you any right to take it away? The Coroner: I don't think you have any grievance; he may have taken it away to examine it microscopically. The Son: He had no right to take any part of my father's body away without my sanction. The Coroner: You must take it to a higher Court than mine. I have not given any order, but if he has done it, it is for the benefit of science. The Son: Well, we shall see into it. He had no right to take the finger away. The Coroner: Then go to a higher Court of law.

It may be, as Dr. Westcott intimated, that this is a case which only a higher Court than that of the Coroner can deal with, and we hope it will be brought before such a tribunal. A claim such as this doctor puts forward, and which the Coroner endorses, that without the consent of the relatives or an order from any authority, a doctor may "for the benefit of science" mutilate and carry away any portion of the remains of our dead relatives is too revolting.

#### CHEMIST AND CORONER.

Much has been said of late as to unnecessary inquests in North London; indeed, it is said there are more in that division than in any other part of the Metropolis. This is attributed to a straining of the law on the subject by the medical men and the Coroner's officer. But there is another complaint, and this as to the manner in which witnesses are summoned. A week ago Mr. Thos. Simnett, chemist, of Chapel Street, had a visit from a couple of men who, producing a bottle, asked him if it had been sold by him? "I suppose it was, seeing that it bears my label," was the reply. The bottle had contained carbolic acid, and they then informed the chemist that the man who had purchased it drank it and died. This was the first Mr. Simnett had heard of the catastrophe; he sold the poison to the man as a disinfectant. Next day (Sunday), the chemist met a newspaper man and

narrated to him the circumstance; and the newspaper man investigated. But the local police knew nothing of it; and Mr. Simnett thought he had been hoaxed. But on the following day (Monday), at a quarter past 11 he received a summons to attend the Coroner's Court at 12. Three-quarters of an hour's notice for a busy man whose assistant might have been out, or whose presence might have been prevented in a dozen different ways. Protest was useless. The Coroner's officer has all the power of summoning, and his chief (the Coroner) of imposing fines or committing to gaol if the witness does not attend. The suicide in question was discovered on the Saturday evening; and the only official communication the chemist got of it was 45 minutes before the inquest took place, and at a quarter of an hour's walk from the Coroner's Court.

#### IS VACCINATION A FAILURE?

One of the paradoxes of medical practice, so far as inoculation is concerned, is the existence of vaccination with human lymph alongside modern bacteriological developments. We appear to have made little progress in vaccination, except what has been done during the past ten years to make calf-lymph a little milder and to go further, by attenuating it with glycerine or lanoline. Glycerinated calf-lymph is at present the favourite, but its use is a mere spot on the vaccination field, for vaccinators in poor districts appear not to dream of using aught else than human lymph. A Royal Commission has condemned that practice, and recommended that the age for vaccinating infants should be raised in England from three to six months. Nothing so far has come of that, although it should not take long to make the conditions at this side of the border the same as those of the north side, where the six months' rule prevails. Meanwhile sporadic cases of evil results from human-lymph vaccination arise, and there are such just now in the East-end of London, where several children have died from erysipelas following vaccination, and four cases (two not fatal) were vaccinated with the lymph from a particular child. This was in Whitechapel, one of the best vaccinated poor-districts of London. It is not generally known that the East-end of London is a strong anti-vaccination district. Thus Bethnal Green last year vaccinated 420 out of 4,776 births. Mile-end, 1,112 out of 4,237; Hackney, 1,912 out of 7,163; Bow 47 per cent.; Poplar, 53 per cent.; Limehouse, Ratcliff, Shadwell, and Wapping, 55 per cent., giving a total of 7,980 vaccinated out of 25,131 births. It is easy to attribute this violation of the law to ignorance, but a death or two from erysipelas are more potent in promoting anti-vaccination than any amount of anti-vaccination literature. Well-to-do parents have the power to insist upon calf-lymph being used on their infants. These poor East-enders have to take what they can get. Who can blame them for eschewing the evil stuff?

#### THE SECOND THOUGHTS OF DR. RENTOUL.

Dr. Robert R. Rentoul has taken second thoughts in regard to the General Medical Council, and has written to Sir Richard Quain, Bart., the President, withdrawing his resignation. The *Medical Press* questions whether this withdrawal can be legally accepted, because the vacancy on the Council caused by his resignation was announced on September 10, and he did not withdraw until September 18. This seems clear from the Medical Act of 1886, which says in respect to direct representatives: "Any of them may at any time resign his office by letter addressed to the President of the General Council, and upon the death or resignation of any one of them some other person shall be elected in his place." As the Act does not provide for the withdrawal of resignations, Dr. Rentoul cannot be a law unto himself, and he cannot even be a candidate for the vacancy, unless he prove to the High Court that he is

"some other person." Three gentlemen have offered themselves for it—viz., Mr. Victor Horsley, F.R.S., F.R.C.S.; Mr. George Jackson, F.R.C.S.; and Mr. E. Divey, M.D., St. And., M.R.C.S. The final day for nominations is September 27, and voting-papers are to be issued on October 2.

### Note on Baptisin.

By LEWIS OUGH, F.C.S.

ALTHOUGH it is generally found that the demand for most resinoids is gradually decreasing, a few are still not unfrequently asked for. The published literature on these substances contains rather vague and indefinite directions as to their manufacture. I have been particularly struck with this in regard to baptisin, and the purpose of this note is to supplement the information already published. *Baptisia tinctoria*, the source of this resinoid, is a common shrub growing in dry, sandy ground in Canada and the United States, bearing yellow flowers in small racemes. The root has generally a small knotted head with a bark of a dark-brown colour, the internal whitish wood being tasteless and tough, the bitter and nauseous taste residing in the bark. Martindale describes baptisin as "the purified extract of wild indigo" (*Baptisia tinctoria*).

Having occasion to prepare a quantity, I found the following method to give the most satisfactory results. The crushed root was moistened with rectified spirit, and packed in a percolator and allowed to stand for twelve hours. It was then slowly percolated with spirit till exhausted, 1 gal. being required for each 4 lbs. of root. The tincture was of a dark-brown colour, and after recovering most of the spirit by distillation, the resin was dried and powdered, and consisted of a non-hygroscopic powder of a light-brown colour readily soluble in spirit. The yield was about 10 per cent. It was found that if a weaker spirit were employed the resinoid obtained was more difficult to powder and readily became damp on exposure.

The experiments connected with this note were conducted in the laboratories of Messrs. John Richardson & Co., Leicester (Limited).

### Analysis of Drugs in Glamorganshire.

At a meeting of the Local Government Committee of the Glamorgan County Council held at Cardiff on September 16, Mr. C. A. Seyler, public analyst, reported that during the past quarter he had examined 257 samples of food and drugs. Of four samples of olive oil he had examined two consisted wholly of cotton-seed oil. In addition to miscellaneous samples of drugs he had systematically examined compound tincture of benzoin, tincture of iodine, and spirit of camphor. He submitted a lengthy treatise on these preparations.

Compound tincture of benzoin, he explained, corresponds to "Friars' balsam," is somewhat extensively used as a surgical application, and possesses valuable antiseptic properties, chiefly due to the benzoic acid it contains, although partly no doubt to the aromatic ethers also present. An assay of the drug for benzoic acid would probably be valuable, but offers considerable difficulty, and the examination was confined to the percentage of solid matter and specific gravity. The B.P. does not recognise any insoluble matter in the drugs used for the preparation of this tincture. But the chief ingredient, benzoin, is almost invariably mixed with insoluble woody matter varying from 10 to over 30 per cent., and this would lower the amount of solids in the tincture. A sample of tincture prepared by himself strictly in accordance with the instructions of the Pharmacopœia, from a good-priced benzoin containing 17 per cent. of woody matter, gave 17.5 parts of solids per

100 volumes, and had a specific gravity of .8988. Allowing for loss on drying, Mr. Seyler calculated that a good tincture of benzoin should contain about 18 parts of solids, and not less than 16 parts. If we take 15 as the lowest limit this will not err on the side of undue severity. Out of 12 samples he examined he found three of good quality. The solids were 18.60, 17.79, and 17.30 per cent., and the specific gravity .9121, .9111, and .9013 respectively. The other nine samples varied in solid constituents, from 10.60 to 16.50 per cent., and in specific gravity from .8811 to .9000. The lowest two samples he regarded as adulterated. One sample received contained about 61.3 parts of solids per 100 volumes, and had a specific gravity of 1.0631. It was four times the usual strength, and evidently a liquor used for the preparation of the ordinary tincture by dilution. Such preparations should not be sold over the counter. He had recently occasion to report that a liquor of nux vomica, eight times the usual strength, was sold instead of the tincture. Mr. Seyler thinks that the benzoin of commerce is far from satisfactory. He recommends that a few samples be taken.

Tincture of iodine should contain about 2.45 parts each of iodine and potassium iodide per 100 volumes, and a sample prepared by him had a specific gravity of .8785. The use of a slightly impure iodine would easily give a rather lower strength of iodine, and this was generally found to be the case, but no serious deficiency was observed. Eight samples were found to be nearly correct, the iodine varying from 2.12 to 2.56 per cent., and the sp. gr. from .8783 to .8836. But two samples were found to be over strength, one containing 2.71 per cent. of iodine, the other 3.10 per cent., or 24 per cent. too much. In this last sample the potassium iodide was 5.15 per cent., or nearly twice as much as should be present, and the spirit very weak, being only slightly over proof strength, instead of the strength of rectified spirit.

Spirit of camphor should contain about 9.9 parts of camphor per 100 volumes, and have a sp. gr. of about .8500. Of eight samples, three were correct and five too strong, the strongest yielding 11.48 per cent. of camphor. This excess of strength may be partly due to evaporation of the spirit, and shows that care should be exercised to prevent this as far as possible.

Quinine-wine was examined for alcoholic strength, for the presence of salicylic acid, and the amount of quinine sulphate. One sample was found to be deficient in quinine sulphate to the extent of 30 per cent. of the quantity which should be present. The wine should contain from 10 to 12 per cent. of alcohol. In one sample the alcohol was largely deficient, only 2.37 per cent. being present. In this case salicylic acid had been added to make up for the deficiency of the alcohol. This must be regarded as a gross form of adulteration. A second sample, although only slightly deficient in alcohol, also contained salicylic acid.

In addition to the samples of gum benzoin, Mr. Seyler recommends that samples of the following drugs be obtained:—Jalap, tincture of jalap, and sal volatile (aromatic spirit of ammonia).

In discussing this report Dr. Morris said the excessive strength of some of the samples of spirit of camphor was very serious. Spirit of camphor was sometimes given by parents to young children, and to have it too strong amounted to giving them poison. The same remark applied to the sale of liquor of nux vomica, which in one instance had been sold eight times the usual strength, which was a still more serious matter.

Six applications were received for the post of public analyst for the county; but Mr. Hughes proposed that the County Council should be asked to appoint a special committee to consider the possibility of combining a laboratory for analytical purposes with a laboratory for bacteriological purposes, and that the temporary appointment of Mr. Seyler should be continued meanwhile. His object, he said, was that when the appointment was made it should be for life, and he did not agree with endowing a private laboratory. He thought that the county should have its own laboratory, and should see that the person appointed as analyst attended at that laboratory. After discussion, Mr. Hughes altered his motion to a recommendation to the County Council to agree to a condition of the appointment that if a county laboratory were provided the person appointed should attend there.



This was approved of. The committee agreed to pass the six applications on to the County Council. The candidates are:—Mr. R. W. Atkinson, Cardiff; Mr. Rhys P. Charles, Neath; Mr. Llewellyn J. Davies, Cardiff; Mr. Harold T. Watts, London; Mr. C. Edward Sage, London; and Mr. C. A. Seyler, Swansea.

## Business Changes.

*Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.*

MR. G. N. CHADWICK, chemist and druggist, has taken over the late Mr. William Backhouse's pharmacy, 34 Upperhead Row, Leeds.

MR. FRANK MARCH, of Westgate-on-Sea, has purchased Mr. Holloway's retail drug-business, the London Co-operative Drug-stores, 34 Fleet Street, Torquay.

THE chemist's business carried on by Mr. Prosser at Snodland, Kent, has been purchased by Messrs. Stedman Bros., chemists, of West Malling, and will be under the personal supervision of Mr. A. Stedman.

MR. MORTON DODGE, chemist and druggist, lately with Messrs. Standring, Son & Co., Manchester, and Mr. E. G. Hughes, Manchester, has re-opened the business lately carried on by Mr. Southern at 139 Great Ducie Street, Strangeways.

MR. BARTLEET, chemist and druggist, of Fore Street, Heavitree, is retiring from business. Messrs. Holman, Ham & Co., chemists and druggists, of High Street, Exeter, have taken over the business, and will make this one of their branch establishments.

MR. HOLLOWAY has given up the retail section of his business in order to devote himself solely to the development of his wholesale trade in coca-wine. He proposes to remove the factory to London, where he has had an office at 63 Finsbury Pavement, E.C., since July.

## Marriages.

FORBES—SHARP.—On September 21, at Heaton Presbyterian Church, Newcastle-on-Tyne, by the Rev. Joseph Rorke, Mr. Robert T. Forbes, chemist and druggist, Edgeleaf, Stockport, to Alice, eldest daughter of Mr. John Sharp, chemist, late of Musselburgh, N.B.

GARBUTT—HADDON.—On September 21, at St. Augustine's, Brighton Grove, Newcastle-on-Tyne, by the Rev. Wm. G. Miles, Vicar, Mr. Charles H. Garbutt, chemist and druggist, 89 Shields Road, Newcastle-on-Tyne, to Etta Austin, niece of Mr. G. Haddon, Postal Telegraphs, Newcastle-on-Tyne.

HANDLEY—MOODY.—On September 6, at St. Mary's Church, Newmarket, by the Rev. John Imrie, M.A., Rector, Hugh Handley, A.P.S., chemist and druggist, of Andover, to Lilian Harriet, youngest daughter of Robert Moody, of Newmarket. [Mr. "Bob" Moody is a well-known racing official at Newmarket, and Mr. Handley was formerly an assistant with Mr. Rae, chemist, of Newmarket].

HAVARD—JONES.—On September 8, at St. James's Church, Walter Road, Swansea, by the Rev. H. A. Harris, H. L. Havard, chemist, Swansea, to Annie, second daughter of the late Mr. Richard Jones, late of Pontypool.

SMITH—GILCHRIST.—On September 15, at Bray Presbyterian Church, by Rev. H. P. Glenn, B.A., assisted by Rev. James Snowdon, B.A., and Rev. A. Gilchrist, B.A. (brother of the bride), Mr. John Smith, M.P.S.I., pharmaceutical chemist, Rathgar, Dublin, to Bella, daughter of Mr. Andrew Gilchrist, Grovedale, Goldenball, Co. Dublin.

"WHY not use the kinematograph as an advertisement illustrating the manufacture of soap, biscuits, or other products?" asks a correspondent of the *Grocer*.

## Deaths.

BROWN.—On September 14 at Minety, Mr. Francis Brown, chemist and druggist. Aged 57. Mr. Brown carried on business at Malmesbury, for many years, but retired a few years ago and took up his residence at Minety.

COGHILL.—On September 18, at Ilfracombe, Mr. Harry Coghill, of The Brampton, Newcastle, and Cophurst Hall, Hastings, head of the firm of Coghill & Son, the borax works, Derby Lane, Old Swan. Aged 74.

COUCHMAN.—On September 11 Wadhurst, Sussex, very suddenly from syncope, Mr. Thomas Couchman, chemist and druggist. Aged 70. Mr. Couchman had resided in the town all his life, and was held in the highest esteem. He had acted as overseer, was a manager of the National Schools, and had been for some fifty years a zealous worker in the Wesleyan Church.

PRIOR.—On September 11, at 18 Wellington Street, Bedford, Mrs. Thomas Fowler Prior, widow of Mr. Fowler Prior, chemist and druggist, Silver Street, Bedford. Aged 75. One of deceased's sons is the Rev. Samuel Fowler Prior, Wesleyan Minister, in New Zealand, and another is Mr. Prior, Mayor of Beaconsfield, South Africa.

PROTT.—At Crieff, on September 11, Mr. William Prott, pharmaceutical chemist (G. B. and Ir.), principal of the firm of Messrs. Davidson & Leslie, Belfast. By the death of Mr. Prott, Ireland loses one of her most accomplished pharmacists. Although he had not yet reached the allotted span of life Mr. Prott had been in poor health for some time. Writing to us a few months ago he mentioned that a heavy fall on the ice last winter had done him much harm, and he was recovering but slowly from the effects of it. He was a son



of a Huntly druggist, and after apprenticeship with his father he went to Edinburgh as an assistant to Messrs. Lindsay & Shaw (now Lindsay & Gilmour), Elm Row, at the same time studying materia medica under Sir Robert Christison and chemistry under Professor Wilson at the University. He was one of the first to submit himself to the Board of Examiners in Edinburgh, passing the Major in 1852. Thereafter he succeeded to his father's business, which he carried on until about eighteen years ago when he acquired Davidson & Leslie's business. He registered as an Irish pharmaceutical chemist in 1883, and was a member of the Society there and a life member of the Pharmaceutical Society of Great Britain. He was President of the Ulster Pharmaceutical Association. Until the accident referred to Mr. Prott was a regular occasional contributor to our columns, dispensing topics especially interesting him.—At a special meeting of the committee of the Ulster Pharmaceutical Association on September 18, it was unanimously agreed to write a letter of condolence to Mrs. Prott, expressing sorrow at the loss she and the Association had sustained by the death of Mr. Prott. The chemists of Belfast had in Mr. Prott a true friend, who was ever ready to oblige in business matters, and give good sound advice when sought for.

## American Papers.

THE details of the meeting of the American Pharmaceutical Association at Minnetonka, so far as they interest the drug-trade on this side of the Atlantic, have already been reported in our pages. We now supplement previous reports with brief abstracts of the more interesting papers read at the meeting. We ought to say that a goodly number of ethical papers were read in the sections, but we would not do these the injustice of abstracting them, as we recognise that much of the merit of proposals for reforming mankind, especially those important sections thereof who are engaged in medicine and pharmacy, or who have dealings therewith, resides in the choice language of the reformers! We make the subjoined abstracts from reprints of the papers published in several American contemporaries. Other abstracts will be published next week:—

### THE METRIC SYSTEM IN PRESCRIPTIONS.

Dr. H. M. Whelpley reported on 233,000 prescriptions drawn from 233 pharmacies in thirty states and territories of the Union, which showed that 6.27 per cent. of the prescriptions were written in the metric system. Gypsum City, Kansas, appropriately enough, returned 100 per cent. of her prescriptions in the French system. It appears that young doctors take kindly to the system, so do young pharmacists. Leaders are working it for all they are worth.

### PEANUT OIL.

Professor S. P. Sadtler reported upon the quality and properties of this oil, which is made from half-a-dozen different kinds of *Arachis hypogea*. The yields of oil vary from 42 per cent. from the American to 51 per cent. from the Senegal peanuts. The following are the factors which the author determined with oils from the sources named:—

|                                | Virginia Nuts | Spanish Nuts | African Nuts | Pondicherry | Commercial Oil |
|--------------------------------|---------------|--------------|--------------|-------------|----------------|
| Sp. gr. at 15° C. ..           | 0.917         | 0.9175       | 0.911        | 0.920       | 0.9209         |
| Saponification value ..        | 192.53        | 190.68       | 194          | 193.1       | 192.1          |
| Iodine value ..                | 91.75         | 94.17        | 85.6         | 95          | 98.4           |
| Heimer value ..                | 94.87         | 95.34        | —            | —           | 95.86          |
| Reichert ..                    | —             | —            | —            | —           | —              |
| Meissl value ..                | 0.434         | 1.60         | —            | —           | —              |
| P. c. of free acid as oleic .. | 0.546         | 0.791        | 0.62         | —           | 0.62           |
| Cold test of the oil ..        | +3° C.        | +3° C.       | +2° C.       | —           | +10° C.        |
| Maugené test ..                | 56-75° C.     | —            | —            | 49° C.      | 45-5° C.       |
| M. p. of fatty acids ..        | 29° C.        | 34° C.       | 30° C.       | 29° C.      | 28° C.         |
| Fatty acids solidify ..        | 27-5° C.      | 32-5° C.     | 29° C.       | 25° C.      | 25° C.         |

The author urged greater attention to this subject in the United States, pointing out that 2,000,000 bushels of peanuts are produced annually in Virginia and North Carolina, and that the oil makes as good soap and lead plaster as the best Californian olive oil. He said it is an open secret that African-peanut oil is used in making the bulk of the Castile soap manufactured in Marseilles.

### COUNTER PRESCRIBING.

Dr. F. E. Stewart read a long reply to the question "Shall pharmacists prescribe over the counter?" He might have said "They do," but instead of that he advocated that the druggist should be educated in medicine and taught to prescribe intelligently over the counter in minor ailments, for which the public now consult the medical practitioner, not charging for his advice, but receiving his pay in the medicines he has for sale. This he will be obliged to do if the times demand it, and this is virtually what he is doing every time he recommends a medicinal preparation of any kind to his customers.

### SUGGESTIONS.

The U.S.P. Revision Committee made some suggestions in regard to standardisation, requiring podophyllum, wild-cherry, sanguinaria, sarsaparilla, quillaia, and senega, to be so-called. They also said that *Syrupus acidi hydriodici* is not a stable preparation, and it is doubtful if it can be made

such. A concentrated solution of hydriodic acid can be made that is stable, and from which the syrup can be made as wanted for dispensing. Such a solution should be substituted for the syrup. *Vanillin* being the odoriferous and valuable principle of vanilla beans, and a definite chemical compound whose purity can readily be determined, should be made official, especially as its use is becoming general among pharmacists. *Mucilago acacie* may be kept for an indefinite time if 25 per cent. of the water directed to be used is replaced with liquor calcis, and they recommended its adoption in the Pharmacopœia. U.S.P. *Tincture of musk* is too strong (1 in 20). The committee says that the musk is not exhausted, and recommends the tincture to be made 1 in 50, using a menstruum consisting of S.V.R. 9, water 7, and lime-water 2.

### SYR. FERRI IODIDI.

Mr. David Walker, Ph.G., communicated a paper on "The use of Glucose as a Preservative for Syrup of Ferrous Iodide and Syrup of Hydriodic Acid." He added definite quantities of glucose to 2-oz. samples of the respective syrups and exposed them to sunlight for four months. He also added 2 drops of dilute hypophosphorus acid to 2-oz. samples. Some of the bottles were full, some half-full. The results with syr. ferri iod. are interesting. We quote only those with samples kept in half-filled bottles for four months:—

U.S.P. syr. ferri iod. without addition became dark sherry colour.

U.S.P. syr. with ac. hypo. dil. 2 drops showed no change.

U.S.P. syr. with half syrup replaced by glucose became reddish-brown.

U.S.P. syr. with glucose instead of syrup showed no change.

### BOILER-SHOP PHARMACY.

Mr. C. S. N. Hallberg, of Chicago, can always be relied upon to stir up any dust there may be lurking in the scientific section of the A.P.A. He did on this occasion with a paper under the above title. Some time since an American pharmacist published the interesting statement that if commercial coated pills are laid on a block of wood and struck smartly with a hammer they are driven into the wood. The manufacturers of friable pills have made a good deal of capital out of the fact that their pills did not behave like that. Mr. Hallberg is righteously indignant about this, for, he says, if you know, the trick you can drive a tallow candle through a 2-inch plank, and he does not like the idea of sending specimen blocks of wood broadcast to physicians, showing various gelatine-coated pills imbedded in the wood as an object lesson of the futility of expecting such pills to dissolve when swallowed by a human being. As an antidote to that advertisement he digested various pills in an alkaline ox-gall solution, at 40° C., and noted what percentage of them had disintegrated at the end of the periods stated below. The figures are the percentages of undissolved pill at the end of the times stated:—

| Name of Pill                     | Coating  | 30 m. | 60 m. | 90 m. | 120 m. | 150 m. | 180 m. |
|----------------------------------|----------|-------|-------|-------|--------|--------|--------|
| Pill carthartie co., U.S.P. .... | Plain .. | 20    | 40    | 60    | 90     | 95     | —      |
| " " " " ..                       | Sugar .. | 30    | 75    | 100   | —      | —      | —      |
| " " " " ..                       | Gelatine | 40    | 80    | 100   | —      | —      | —      |
| " " " " ..                       | Friable  | 15    | 25    | 40    | 65     | 75     | —      |
| " " " " ..                       | "        | 10    | 25    | 40    | 50     | 60     | 75     |

Other figures were quoted and the author added some remarks. The last word is somewhat mild, for about a dozen members discussed the propriety of the title and the contents of the paper, and the Secretary (Professor Caspari), while agreeing with many of the statements made, said the language used was open to some criticism, whereupon Mr. Hallberg apologised for being unable to find sufficiently virile language in which to express his opinions, and said that he feared no words in the English language were quite sufficiently forcible to express them. In the long run it was agreed to refer the paper to the Publication Committee.

### NEXT MEETING.

Baltimore on Monday, August 29, 1898, was decided as the place and date of the next meeting.



## Foreign Competition in the Colonies.

WE print below a few more abstracts from the recent Blue-book on foreign competition in the colonies, so far as druggists' goods are concerned. The first instalment appeared in our issue of last week:—

### THE DOMINION OF CANADA.

Canada has not sent in such a valuable report as might have been expected of her. It consists mainly of statistical abstracts taken from the official returns, with a memorandum by the Canadian Minister of Commerce.

From the statistics appended to the Canadian report we select those which relate to the most important pharmaceutical goods. They show

#### SOME BRITISH GAINS.

**Bleaching-powder.**—Britain is squeezing out America, but France is appearing as a competitor. The development of alkali-manufacture in the States since 1894, however, may again have altered the proportions in the past three years. In 1834 Canada bought \$21,305 worth in the States and \$33,846 from Britain; in 1894 the States supplied her with only \$5,995 worth, and the Mother Country with \$43,977. Other nations are practically out of this business.

**Borax.**—In this article Britain has taken complete possession of the field. In 1884 Canada bought \$15,000 worth from the States and the same amount from Britain. Five years afterwards the proportions were \$12,341 and \$5,108; and in 1894 Britain supplied \$35,887, the States only \$2,303. This is a growing business, and worth watching.

**Bottles (including Carboys and Demijohns).**—Defeat of the States by Germany, with the incidental out-squeezing of Britain and France. Belgium and Austria are also getting more than a look-in in the Canadian bottle-trade. Here is the proof:—

|                     | 1884      | 1889      | 1894      |
|---------------------|-----------|-----------|-----------|
| From U. Kingdom ... | \$ 86,027 | \$ 26,134 | \$ 22,215 |
| „ U.S.A. ...        | 253,232   | 59,174    | 77,097    |
| „ Germany ...       | 22,742    | 49,370    | 95,214    |
| „ France ...        | 9,973     | 3,163     | 3,616     |

**Acids.**—Britain has lost a little ground during the past decade. The importation of many acids, such as sulphuric, has ceased almost entirely since 1884, because Canada now manufactures these goods for herself; but the principal loser by this process of emancipation has been the U. States, not Britain. In acetic acid the total importation of Canada has fallen from \$19,101 in 1884 to \$9,228 in 1894. The share of Britain has decreased from \$3,984 to \$1,354, of U.S.A. from \$4,140 to \$479. But Germany has kept her lead—\$7,900 in 1884, \$7,395 in 1894. Of sulphuric acid Canada imported \$18,033 worth in 1884, and only \$1,648 in 1894.

We now turn to

**Alum and Aluminous Cake,** where the balance of imports has been shifted from Britain to the United States. Here are the figures:—

|               | 1884      | 1889      | 1894      |
|---------------|-----------|-----------|-----------|
| From U.K. ... | \$ 17,329 | \$ 16,538 | \$ 11,572 |
| „ U.S.A. ...  | 5,137     | 5,428     | 13,507    |
| „ Germany ... | —         | 1,431     | 310       |

Of late years Belgium has also shipped parcels of alum.

**Cream of Tartar.**—The subjoined figures speak for themselves:—

|                   | 1884      | 1889      | 1894      |
|-------------------|-----------|-----------|-----------|
| Great Britain ... | \$ 57,683 | \$ 94,392 | \$ 36,997 |
| United States ... | 24,192    | 14,421    | 15,573    |
| France... ...     | 46,639    | 50,432    | 50,564    |
| Total ...         | 128,514   | 159,245   | 1,03134   |

### PHOSPHORUS, POTASHES, AND SODA.

**Phosphorus.**—Britain holds her own in this trade, while America is falling off. No other countries participate in the

business, but as time goes on Canada will probably manufacture all her own requirements. The figures are:—

|                     | 1884     | 1889     | 1894     |
|---------------------|----------|----------|----------|
| From U. Kingdom ... | \$ 9,058 | \$ 7,960 | \$ 8,306 |
| „ U.S.A. ...        | 3,092    | 122      | 1,059    |

**Potashes.**—Britain is rapidly losing ground in this department, but it must be added that the imports of potash salts into Canada are decreasing all round. Of saltpetre the Dominion imported \$38,219 in 1884, but only \$16,978 in 1894. In the former year Britain supplied \$19,950, Germany (together with Holland, whose saltpetre-exports must have been of German origin), \$17,879 worth. In 1894 the figures were:—Britain, \$3,662; U.S.A., \$4,081; Germany, \$9,235. In crude muriate and bichromate of potash we are also losing trade, and Germany is stepping in. The figures were:—

|                     | 1884      | 1889      | 1894      |
|---------------------|-----------|-----------|-----------|
| From U. Kingdom ... | \$ 35,898 | \$ 16,730 | \$ 15,290 |
| „ U.S.A. ...        | 2,666     | 12,600    | 8,268     |
| „ Germany ...       | —         | —         | 5,494     |

Other potash salts are very little imported.

**Soda-salts.**—In the department of soda-salts Britain has always held the lead among the providers of Canadian requirements. But it may be noted with satisfaction that while the annual imports of the Dominion in this branch of business are growing slowly, they are more and more falling into British hands. The U. States are distinctly losing ground. Look, for instance, at the figures relating to soda-ash, nitra'e, caustic, crystals, and silicate:—

|                       | 1884       | 1889       | 1894       |
|-----------------------|------------|------------|------------|
| From U. Kingdom ...   | \$ 201,128 | \$ 204,974 | \$ 241,803 |
| „ U.S.A. ...          | 114,446    | 55,254     | 93,484     |
| „ other countries ... | —          | 20         | 4,205      |

And in bicarbonate of soda we have the field practically to ourselves:—

|                             | 1884      | 1889      | 1894      |
|-----------------------------|-----------|-----------|-----------|
| From U. Kingdom ...         | \$ 27,205 | \$ 26,133 | \$ 44,949 |
| „ U.S.A. ...                | 1,544     | 2,110     | 1,737     |
| No other countries compete. |           |           |           |

### THE CANADIAN QUININE-TRADE.

**Quinine.**—The figures relating to the value of quinine imported into Canada show a constant decrease. The reason is, of course, the exceptional depreciation of the article. In 1884 the price of sulphate of quinine ranged from 8s. down to 4s. per oz.; in 1894 it was worth, roughly, 1s. per oz. In order to arrive at a true estimate of the relative imports of quinine we have therefore added (*in italics*) to the figures given in the Canadian return the value which the quinine imports of 1894 would have approximately represented had quinine been worth as much in 1894 as it was in 1884. This makes the return much more interesting:—

|                     | 1884      | 1889      | 1894     | 1894      |
|---------------------|-----------|-----------|----------|-----------|
| From U. Kingdom ... | \$ 27,223 | \$ 12,115 | \$ 7,565 | \$ 45,390 |
| „ U.S.A. ...        | 19,923    | 10,246    | 11,870   | 71,220    |
| „ Germany ...       | 1,577     | 63        | 647      | 3,582     |

A considerable part of the quinine imported from Britain and U.S.A. is no doubt of German origin, but it will be seen that there has been a distinct tendency in the business to shift from Britain to the States.

### SATISFACTORY SOAP FIGURES.

**Soaps.**—The Canadian Customs divide soaps in five great classes, which, in order of value, are as follows:—(1) Soap-powders, sapolio, &c.; (2) Perfumed or toilet soaps; (3) Common brown and yellow soap; (4) Castile and white soap; and (5) Common soft soap, saddlers' soap, and silver-soap. In Class 1 the U.S. hold the field. In 1894 they provided \$49,723 worth out of a total of \$53,517, Britain supplying the rest. This is a pity, for this soap-powder business has practically sprung up in the past ten years. But in toilet-soap Britain leads, and is steadily gaining

ground, rather at the expense of the U. States. The figures are interesting:—

|                     | 1884   | 1889   | 1894   |
|---------------------|--------|--------|--------|
|                     | \$     | \$     | \$     |
| From U. Kingdom ... | 14,109 | 15,966 | 19,896 |
| „ U.S.A. ...        | 25,069 | 20,196 | 21,323 |
| „ France ...        | 2,007  | 899    | 1,568  |

There are practically no other competitors.

In Class 3 (common soaps) Britain has completely taken the place of the U. States, as will be seen by the following figures:—

|                     | 1884   | 1889  | 1894   |
|---------------------|--------|-------|--------|
|                     | \$     | \$    | \$     |
| From U. Kingdom ... | 9,701  | 6,874 | 35,220 |
| „ U.S.A. ...        | 28,067 | 6,307 | 5,219  |

Class 4, Castile soap, is in the hands of France, Marseilles being the headquarters of this industry, which depends upon cheap olive oil for its success. The imports are increasing, and in 1894 were worth \$17,470. Class 5 is a small one, but here also Britain is displacing the States:—1884, U.S.A. \$4,366, Britain \$498; 1894, U.S.A. \$1,240, Britain \$1,889. The total soap-imports of Canada in 1894 were worth about \$160,000.

#### A DISGRACEFUL DEFEAT.

*Instruments.*—There is a rapidly-growing import-business in surgical, optical, and philosophical instruments; but in these branches, in which ten years ago Britain led the way, she has been hopelessly outstripped by the United States and Germany. The figures are melancholy reading:—

|                      | 1884  | 1889   | 1894   |
|----------------------|-------|--------|--------|
|                      | \$    | \$     | \$     |
| Surgical Instruments | —     | —      | —      |
| From U. Kingdom ...  | 6,875 | 12,678 | 8,609  |
| „ U. States ...      | 5,558 | 11,578 | 25,596 |
| „ Germany ...        | —     | 1,083  | 10,020 |
| „ France ...         | —     | 1,851  | 1,379  |

and in optical instruments (including spectacles, microscopes, and telescopes) our discomfiture is still worse:—

|                     | 1884   | 1889   | 1894   |
|---------------------|--------|--------|--------|
|                     | \$     | \$     | \$     |
| From U. Kingdom ... | 23,277 | 18,287 | 16,752 |
| „ U. States ...     | 29,289 | 30,483 | 69,608 |
| „ Germany ...       | 1,729  | 4,011  | 8,707  |
| „ France ...        | 10,639 | 16,339 | 16,985 |

In indiarubber goods much the same sort of thing is going on. Our defeat in this branch of business is nothing short of a disgrace to this country. We held the market when it was small. Now that it is worth \$200,000 a year at least we have been practically thrown out.

*Patent Medicines.*—The imports of patent medicines into Canada equal in value those of surgical and philosophical instruments. But while we have lost our grip of the last-named business, the British patent medicine still has a fair hold on the affection of the Canadians, though it yields the palm to the American nostrum. Of patent medicines the imports were:—

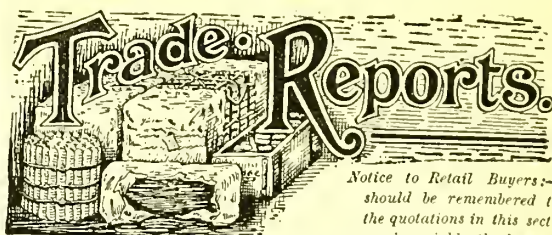
|                     | 1884    | 1889    | 1894    |
|---------------------|---------|---------|---------|
|                     | \$      | \$      | \$      |
| From U. Kingdom ... | 27,386  | 43,078  | 36,740  |
| „ U.S.A. ...        | 113,713 | 148,199 | 141,620 |
| „ France ...        | 4,419   | 14,421  | 11,383  |

#### THE EXPANDING PERFUME-TRADE.

*Perfumes.*—In “Cologne water and perfumed spirits” France leads by a long way. Britain and America are about equal, and our friends across the Rhine are beginning to build up a solid business. This trade is a steadily expanding one, and, with the rapid increase in the population and wealth of the Dominion, is one worth looking after. Here are the figures:—

|                     | 1884   | 1889   | 1894   |
|---------------------|--------|--------|--------|
|                     | \$     | \$     | \$     |
| From U. Kingdom ... | 14,655 | 10,765 | 13,802 |
| „ U.S.A. ...        | 9,999  | 14,717 | 13,183 |
| „ France ...        | 18,389 | 25,826 | 28,170 |
| „ Germany ...       | 793    | 2,392  | 5,645  |

**GOING FOR THE STORES.**—In the Ontario Legislature, Mr. Middleton, of Hamilton, has introduced a Bill to give cities with populations over 30,000 power to place a special tax on businesses of more than three departments.



**Trade Reports.**  
Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases, allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., September 23.

THERE has been a smart upward movement in many articles of produce this week, spices having been most affected. The smaller articles such as drysalteries, some kind of oils and drugs, are also, to a certain extent, affected. The business is, of course, mainly speculative, but there is a good undercurrent of steady trade for consuming purposes; and it may be fairly said that for many years there has not been such an active September month in Mincing Lane. In fine chemicals the only article which has attracted attention is quinine, which has at last again reached the price of 1s. per oz. for second-hand German, and closes very firmly. Citric and tartaric acids are quiet; boracic shows no alteration. Cream of tartar fairly steady. There have been some arrivals of iodine, but these have not affected the market. Citrate of iron and quinine has been slightly raised in price. In heavy chemicals we have to report an advance in sulphate of copper. Oxalic acid is steady, carbolic slightly easier. Sulphate of ammonia very firm. Methylated spirit steady. Arsenic is offering somewhat more freely at slightly easier rates. Coal-tar naphtha steady, and not unlikely to be dearer in consequence of the advance in benzols. Sal ammoniac firmly held. Caustic soda and bleaching-powder very steady. Soda crystals unaltered. Carbonate of alumina rather easier. Cyanide of potash shows a very strong market. In drugs we have to report a fair amount of business in ordinary grades of asafetida. Belladonna-root is very scarce; so are buchu-leaves, for which an advance on the last auction rates has been paid. Calumba and cascara sagrada steady. Camphor rather dull of sale. Cardamoms and cinchona-bark firmly held. Zanzibar dragon's-blood has been sold at high prices. Ergot of rye is again quoted dearer, both for Spanish and Russian. Gentian-root remains scarce. Gum acacia is firmly held, although little business was done at to-day's auctions. West Indian lime-juice has been sold at very low rates. Gum mastich has been in demand, and is dearer. A fair amount of business has been done in ipecacuanha; and for jalap more money is asked. Castor oil firm. Cod-liver oil remains neglected. In essential oils we have to report a firmer tendency in cloves, cassia, and anise. American oil of peppermint remains cheap. Opium steady, and rather firmer for Persian. Canary-seed is neglected. Russian anise and caraway seeds are firm. A large arrival of Tinnevely senna is due, and will probably be offered next Thursday. In Madagascar beeswax the market is slightly steadier. In the drysaltery and spice markets much excitement has



prevailed. Almost all spices are dearer. White Penang pepper has doubled in price in a few weeks; white and black Singapore and Lampong pepper also dearer. Pimento, cassia lignea, capsicums, chillies, mace, and nutmegs are all dearer. Cloves fluctuating, but closing firmly. Cochin ginger steadier. Shellac has been easier, but closes firmly. Indigo and galls steady. Gum olibanum firmly held. Tragacanth active. Gambier and turmeric dearer. Turpentine has advanced considerably.

The product of the new Java quinine-works at Bandoeng will be brought into commerce by three allied British firms established in Java, viz.:—McNeill & Co., at Samarang; MacLaine, Watson & Co., at Batavia; and Fraser, Eaton & Co., at Soerabaya.

There is trouble in the Indian shellac-trade. The manufacturing centre of that business is at Mirzapore, where a number of Europeans, and some 150 native firms, have their works. The shipping centre of shellac is at Calcutta, where business is done through brokers with the shippers, who send it to the States and Europe, the bulk of the goods being sold by the shippers, "c.i.f." London or New York. Shellac is sold mostly by marks. The best European marks are well known, and vary comparatively little from year to year, although the condition of the raw material and the manufacturing operations of roasting, melting, washing, and cleaning may cause slight fluctuations in appearance. But most of the native lacs are of low quality, and are sold on a general basis, called "TN," which was the name of a brand that has long since disappeared from commerce. In London the shellac-brokers have a set of samples representing the "TN" standard, and when a buyer is dissatisfied with the quality of shellac delivered to him, his complaint is decided by reference to the standard sample. The shellac-market has generally been falling of late, and consequently disputes between London buyers and Calcutta shippers have been frequent. These disputes are settled by arbitration in London, and generally end in an allowance being made to the buyer. But if by any chance the Calcutta shipper should deliver lac which is better than the "TN" standard, he cannot claim to be paid at a higher scale than that contracted for.

The Calcutta shippers naturally fall back upon the native makers, and for some time the latter have bitterly complained of the deductions allowed by the arbitrators in Calcutta against them. The native makers say that, no matter how good may be the lac they deliver, it is always pronounced "below TN standard" when the market happens to be going down. About forty of them have, therefore, addressed to the Calcutta brokers a lengthy memorial, written in the flowery English characteristic of the educated native, asking for the fixing of a definite TN standard, and hinting that they will otherwise try to establish direct relations with the foreign buyers. They say that

the persistent enforcement of wrongful allowances has filled the hearts of your poor constituents with deep and gloomy apprehensions. The exception has become the rule—nay—with a vengeance are we made to feel it! Our impotent howls and cries seem rather to make them hold to their despotic course of actions with increasing pertinacity. They are simply playing ducks and drakes with our vital interests. In brief, every manufacturer is working at a loss. Many small firms have been ruined; the rest are standing on tottering feet. The capitals of the larger concerns have been steadily eaten up, and these, too, shall, if the cogent cause of mischief be not speedily and effectually removed, bite the ground at no distant date.

In reply to this memorial the Calcutta shippers have declared themselves ready to discuss any reasonable scheme that may be put before them for placing the shellac trade on a better footing, but so far no result has been achieved. It is suggested that the native shellac manufacturers of Mirzapore should form an association restricted to firms (European

and native) of known repute, and periodically circulate a list of its "brands" among the Calcutta trade.

The Association of French Pharmacists for the manufacture of iodine from kelp on the west coast of France, to whose operations we have previously referred, seems to be just overcoming the difficulties with which it has struggled since its formation—three years ago. In the year ending May 31 last, the Association expected to make a profit of 30,000*fr.*, but the actual result shows a loss of 17,000*fr.* This state of things is ascribed to the incompetence of the managing director, who has been relieved of his functions in favour of his son. It is stated that, owing to want of chemical knowledge in the management, only 3,100 kilos. of iodine have been obtained from a quantity of kelp and soda which should have yielded 4,600 kilos. The works have been reorganised, and during July produced 500 kilos. of crude iodine per day, but meanwhile the height of the manufacturing season is over. The whole of the year's requirements of kelp must be purchased in the summer for cash payment, and this has necessitated a further demand on the shareholders in respect of the yet unpaid portion of their shares. The total sales of iodine and iodides during the year 1896-7 realised 89,480*fr.* only. The directors think that the corner has now been turned. The Association has 1,238 members, and it is expected that next year's working will show a profit. Orders are coming in regularly. The prices for iodine products to May 31, 1898, have been fixed as follows:—Iodine 32*fr.*, iodide of potassium 25*fr.*, iodide of sodium (dehydrated) 30*fr.*, and iodoform 38*fr.* per kilo.

Our Hamburg correspondent wires on Thursday afternoon that *Ergot of rye* is still advancing, 1.25*m.* per kilo. being to-day's quotation for fair Russian. *Quinine* very firm. It is doubtful whether 30*m.* per kilo., net, would now be accepted. *Turpentine* and *Oil of cassia* are rising.

Our New York correspondent telegraphs on Thursday afternoon that *Roots* are advancing. *Cascara sagrada* of the new crop is being offered at \$2.67 per cwt. HIGH *Oil of peppermint* may be had at \$1.30, *Western* \$1.10 per lb. *Oil of cajuput* is reported scarce with an advancing tendency, the current quotation being 57½*c.* per lb. *Wormseed* oil offers at \$3.30 to \$3.75 per lb., according to quality. *Pimento-berries* are in good demand and advancing; 7½*c.* per lb. is asked. Good quality of *Jaborandi-leaves* are wanting. The American stock is poor, and offers at 10*c.* per lb.

Our Smyrna correspondent telegraphs on Wednesday afternoon that the sales of fair *Manufacturing* opium amount to 80 cases for the week, at prices ranging from 7*s.* 3*d.* to 7*s.* 7*d.* per lb., f.o.b. Smyrna. The market is excited, and an advance is expected.

ACIDS.—*Tartaric acid* shows no alteration, Lawes's price for B.P. quality English being 1*s.* 2*d.* per lb., while foreign (unguaranteed) brands offer at 1*s.* 1*d.* per lb. on the spot. *Citric acid* has a slightly easier tendency; 1*s.* 2*d.* per lb. is asked for B.P., but 1*s.* 1½*d.* might buy. Concentrated Sicilian *Lemon-juice* offers at 12*l.* per pipe, f.o.b. Concentrated W.I. lime-juice has been sold privately at 11*l.* per pipe, London terms. *Oxalic acid* quiet at 3½*d.* to 3¾*d.* per lb. *Carbolic acid* easier; crystals, 39-40° C., 7¼*d.*; 34-35° C., 6½*d.* to 6¾*d.*; crude, 75 per cent., 2*s.* 1½*d.* to 2*s.* 2*d.*; 60 per cent., 1*s.* 10*d.* to 1*s.* 10½*d.* per gallon. *Boric acid*, 26*s.* per cwt. for powder, and 24*s.* per cwt. for crystals.

ALCOHOL (METHYLATED) is held for 1*s.* 7*d.* per gallon, naked.

AMMONIA SULPHATE.—Firmer and rather scarce; *Beckton*, 8*l.*; *Beckton* terms, 7*l.* 17*s.* 6*d.*; *London, Hull, and Leith*, 8*l.* 2*s.* 6*d.* per ton.

ARSENIC is rather easier. On the spot 22s. 6d. per cwt. would be accepted for best white powder.

ASAETIDA.—A fair amount of business has been done privately this week, especially in ordinary and medium qualities, up to 45s. per cwt. It is, in fact, said in one quarter that the market has been cleared of common gum. Small sales of good-quality gum have also been made.

BELLADONNA-ROOT.—Very scarce. For good continental 40s. per cwt., c.i.f. terms, is quoted, with little offering.

BUCHU.—Nine bales have arrived this week from Capetown. Privately a good business has been done in round leaves. Up to 6d. per lb. has been paid for good quality, and has since been refused. One broker now talks of 9d. per lb.

CALUMBA.—Very firmly held and scarce. Fair natural sorts are quoted at 32s. 6d. per cwt. on the spot, finest yellow washed 80s. per cwt.

CAMPHOR (CRUDE).—Very quiet. There are sellers of *Japanese* gum at 102s. 6d. per cwt., c.i.f., and of *Formosan* at 87s. 6d. to 90s. per cwt., c.i.f., but no buyers.

CAMPHOR (REFINED).—*German* in bells may be had at 1s. 3d. per lb. on the spot; squares in proportion.

CANTHARIDES.—New *Russian* flies offer cheaply at 1s. 8d. to 1s. 9d. per lb., according to quality.

CARDAMOMS.—The only arrival this week is a consignment of 24 cases, per the *Benvenue*, from Colombo.

CASCARA SAGRADA.—New bark is offering at 12s. per cwt. c.i.f. terms. Business has been done on the spot at from 13s. 6d. to 15s. per cwt.

CITRATE OF IRON AND QUININE.—The price of *Howards'* brand has been raised  $\frac{1}{2}$ d. per oz., making the quotation  $6\frac{1}{2}$ d. in 1-oz. vials;  $7\frac{1}{2}$ d. in  $\frac{1}{2}$ -oz.; and  $5\frac{1}{2}$ d. in 25-oz. tins. Quantities of 100 oz.,  $\frac{1}{2}$ d. per oz. less.

COPPER (SULPHATE).—*Anehor* brand remains unaltered at 17l., but ordinary brands are 5s. dearer—viz., 16l. 10s. spot. 16l. 10s. per ton, f.o.b. Liverpool; and 17l. 5s. for January-April delivery.

CREAM OF TARTAR.—A very steady market, at 77s. 6d. per cwt. for best white French *Crystals*; and, from 80s. to 31s. for *Powder*.

DRAGON'S-BLOOD.—The parcel of *Zanzibar* dragon's-blood in drop, rather woody mixed, which was offered at the last auctions, has been partly disposed of at the high price of 6l. 10s. per cwt. Six cases have arrived per the *Benvenue* from Penang.

ERGOT OF RYE remains very firm. For sifted and kiln-dried *Russian* ergot 8d. per lb. has been paid, and business is reported, in small wormy *Spanish* at the same price. For good sound *Spanish* 10d. per lb. quoted. A fair amount of business has been transacted.

GALLS.—*Persian* galls are extremely firm so far as holders are concerned, but buyers are unwilling to pay the prices demanded. For good to fine blue the quotation is from 50s. to 51s. 6d.; green, 44s. to 47s. 6d.; white, 40s. to 43s.; sorts, 47s. to 48s. per cwt. New *Smyrna* galls are now arriving. The price is nominally 43s. to 44s. per cwt.; green and white galls of this description are being offered, c.i.f. terms. *Chinese* galls are firmer for arrival, 53s. per cwt., c.i.f., being asked for new crop; while sales are reported to have been made recently at 55s. 6d., c.i.f., for near at hand. Spot quotes 61s. to 62s. per cwt.

GENTIAN.—Very firmly held. The general quotation for good French root is 22s. per cwt., f.o.b.

GUM ACACIA.—*Soudan* sorts remain quiet, and in small demand. For good to fine pale soft 70s. to 80s. is still nominally asked, while good hard offers at 62s. 6d. to 65s. per cwt. Egyptian *Amrad* is scarce at 30s. to 35s. per cwt., and the market has been cleared of *Ghezirah* gum, of which the present quotation is nominally 40s. per cwt. Picked *Trieste* gums are in small supply and fairly well held at from 5l. to 10l. per cwt. according to appearance. There has been a strong inquiry for *Persian* gum, especially of the lower qualities: fair to fine sorts at 14s. to 21s., red to pale selected 22s. to 24s. per cwt. Small arrivals have recently taken

place, and will probably bring high prices. There has been a fair demand privately for *Indian* gums, resulting in sales of some 300 cases at from 32s. 6d. to 34s. for good *Ghatti*, and 32s. 6d. for *Cawnpore-Amrad*. At auction to-day about 2,600 packages of all varieties were offered. Most of the gum was firmly held, but only a very small proportion sold at steady prices. A new parcel of 13 cases yellow and red mixed *Kurachee* gum sold well at 55s. to 56s. per cwt.; 13 cases siftings (a very scarce article) brought 32s. 6d. *Soudan* sorts were all bought in at nominal prices. A parcel of good *Oomra* (*Amrad* character) from Bombay realised 34s.; 27 cases *Cawnpore siftings* brought 20s. per cwt. Good pale *Australian* gum was bought in at 29s. to 31s. per cwt.; blocky dull sold at 18l. per cwt., subject to approval. Fair to fine pale picked *Ghatti* realised 24s. to 38s.; white *Aden* siftings 21s. per cwt.

HONEY.—New-crop white *Italian* may be had at 31s. 6d. to 32s. per cwt.

INDIGO.—For the public auctions of East India indigo, a large quantity has been declared, and in view of this fact buyers hold off, in spite of which the market remains very steady, especially as telegrams from Calcutta have confirmed the news of damage to the crop through excessive rains.

IODINE.—Forty-three barrels *Crude* have arrived this week per the *Oravia* from Valparaiso. There is no change in the position of the article.

IPECACUANHA.—One of the brokers who offered *Rio* root at last week's auctions is said to have cleared the remainder of his catalogue, consisting of about 25 bales of rather poor quality. This root has been bought for picking. It is said that large orders for picked root have lately been received in London.

JALAP.—There is very little offering from New York. On the spot  $5\frac{1}{2}$ d. per lb. has been refused for fair *Vera Cruz* root.

LACTUCARIUM.—Broken foreign offers at 6s. 6d. per lb.; good English, 12s. to 14s. per lb.

LIME-JUICE.—Sales of New Zealand lime-juice have been made privately at  $6\frac{1}{2}$ d. per gallon (a very low figure), but rather more money is now asked.

MASTICH is dearer. The market has been almost cleared of all varieties at from 1s. for ordinary yellow up to 1s. 6d. per lb. for fine pale drop. The present quotations are nominal.

MENTHOL is quiet and without change at 6s. 3d. per lb. on the spot. Forward delivery is quoted at 6s. per lb. c.i.f. It is said that 20 cases have been sold a few days ago from Hamburg for shipment to America at the parity of 6s. 3d. per lb. c.i.f. New York, net terms.

NAPHTHA.—*Crude* coal-tar naphtha, 30 per cent., quotes at 1s. to 1s. 1d.; *Solvent* 90 per cent. at 1s. 6d., and 95 per cent. at 1s. 8d. per gallon. The rise in benzol may influence the quotations of naphtha.

OIL (CASTOR).—Firm. First pale *Calcutta* oil has been sold privately at 5d., and for good seconds  $3\frac{1}{2}$ d. per lb. has been paid, but there are now no sellers under 4d. French and Belgian oils are very firm: first pressing, 32s. 6d. to 33s.; second, 31s. 6d. to 32s. per cwt. spot.

OIL (COD-LIVER).—Our Norway correspondent writes that the market is rather steady, but there is no change in price, although several holders have for the present withdrawn their merchandise. The quotation for best non-congealing *Lofoten* oil is 65s. per barrel, f.o.b. The shipments from Bergen for the season up to date are 6,837 barrels, against 3,773 barrels in the corresponding period of last year. With the approach of the winter season this article will probably soon begin to attract more attention. Prices are now very low, and would seem to show little room for further decline. We understand that a fairly large quantity of good non-freezing *Norwegian* oil has been sold privately since last auction at very low prices. *Isdahl's* brand offers at 68s. to 70s. per barrel, f.o.b.

OIL (OLIVE) remains firm at the unaltered prices of last week.

OILS (ESSENTIAL).—There is an upward movement in *Oil of cassia*, but it seems to be entirely of a speculative



character, and based upon increased cable quotations from China. On the spot it is said that a parcel of 70 to 75 per cent. oil has changed hands at 6s. 6d. per lb. For shipment the latest second-hand cable quotations are, 80 to 85 per cent., 6s. 3d.; 75 to 80 per cent., 6s. 1d. per lb., c.i.f. terms. *Star-anise oil* is steady on the spot with a firm undertone, but not much business is reported, 8s. 3d. being the general quotation. For arrival, however, there is a tendency to quote rather higher prices, from 8s. 3d. to 8s. 6d. per lb., c.i.f. terms September-November shipment. *Japanese peppermint oil* is offered at 3s. per lb., both on the spot and to arrive. *Dementholised* is quoted at 4s. 3d. per lb. for 40-per-cent. *American oil of peppermint* (HIGH) offers at 6s. per lb. on the spot, or in 25-case lots at 5s. 10½d. per lb. for October-November shipment. *Wayne County oil* is quoted at 4s. 3d. per lb. on the spot. *Oil of cloves* is likely to be dearer, on account of the rise in the spice.

**OLIBANUM.**—Small sales are reported at 25s. to 26s. for fair reddish drop. Fine drop is held for 45s. to 50s., fair garblings at 14s. per cwt. At auction to-day almost everything was bought in at extreme prices, but a good business is reported to be passing privately at high rates.

**ORIUM.**—The position of the market in *Turkish* opium remains very firm, but not much business is reported, although some small quantity of *Manufacturing* opium has been sold at from 8s. to 8s. 6d. per lb. for ordinary to medium quality. *Soft-shipping* quiet at 11s. to 12s. per lb. for good to fine, and 8s. 6d. to 10s. for fair quality. Second *Druggists'* opium offers at 7s. 6d. to 8s. 6d., and good to fine *Smyrna* at 8s. 6d. to 9s. 6d. per lb. The quality of the new *Turkey* opium is said to be much below the average, especially so far as *Salonica* and *Druggists'* opium are concerned. In *Persian* opium there has been rather more inquiry during the last few days, but it has only resulted in some small sales of medium quality at from 9s. to 9s. 6d. per lb. For fine *Persian* 10s. to 10s. 6d. is required.

**ORRIS-ROOT.**—*Florentine* is unchanged on the spot, and last week's prices hold good. Rather more inquiry is reported from France. *Verona* is slightly easier, though without quotable alteration.

**POTASH SALTS.**—Yellow *Prussiate of potash* is quoted at 5¼d. per lb. for Beckton make, other English makes 5¾d. to 6d. per lb. *Cyanide*, British 98-99 per cent., offers at 10¾d. per lb. *Chlorate* quiet at the low figure of 3¼d. per lb. *Perrmanganate* 70s. per cwt. for small crystals. *Saltpetre*: British refined, according to packing, 19s. 6d. to 20s. 6d., German, 19s. 3d. to 20s. per cwt., according to packing.

**QUICKSILVER** quiet, at 6l. 15s. per bottle from the importers, and 6l. 14s. from second-hand holders.

**QUININE.**—"Shilling quinine" has at last been reached again. The manufacturers' quotations this week are more or less nominal, but in second-hand about 70,000 oz. have changed hands at prices ranging from 10d. per oz. on Friday last up to 12d. per oz. on Wednesday. The last-named figure was paid by a broker for a parcel of about 8,000 oz., and since then it has been repeatedly refused. Messrs. *Howards & Sons* have issued the following statement:—

We beg to advise you that an advance in the price of quinine is inevitable, price will be definitely fixed after the Amsterdam bark sale of September 30. In the meantime we can offer a limited quantity at (2) two pence per oz. advance on our September list, making quinine sulph. in 1-oz. vials, 1s. 2d. per oz.

Next week's cinchona auctions at Amsterdam may be a turning-point in the commercial position of quinine. In all probability the German manufacturers, who have so far done their best to discourage a rapid advance in quinine, will be compelled to pay considerably higher prices for their bark, and in that case a fairly large advance will have to be made in the quinine prices. The general position of the article looks very sound, especially as the manufacturers, who now have a fair control of the drug, seem disposed to sell very cautiously, and not to renew the unrestricted dealings with speculators which a few years ago caused so great a depreciation in quinine.

Messrs. Powers & Weightman, of Philadelphia, also, on September 4, issued a circular on quinine, in which they say:—

Our sales of sulphate of quinine this year, up to date, have been unusually large, but we have met every engagement promptly,

and executed all current orders, for ordinary quantities, from regular customers, in full. We have considered it prudent to suspend making contracts for a time, as our supply of the article has become very much reduced. When prepared to resume entering for future delivery, due notice will be given.

The agents for the B & S brand tell us that they were no longer selling at 9d. per oz. to wholesale druggists on Thursday last. They stopped offering at that figure several days previously.

To-day the market is, if anything, a trifle easier, with second-hand sellers at 1s. per oz. The B & S agents inform us that they are not selling at present. There is an impression that, should a moderate advance be established at the Amsterdam auctions next week, the German makers will fix their price at 1s. 2d. or 1s. 3d. per oz.

**SEEDS (VARIOUS).**—Russian *Anise* still continues to advance in price, 19s. 6d. per cwt. being this week's quotation. For Spanish anise from 26s. to 30s. per cwt. is asked according to quality. German *Fennel* seed offers at 23s. to 33s. for ordinary to fine. Syrian at 15s. 3d. to 16s. 6d. per cwt. *Canary-seed* neglected, at 27s. per quarter for Turkish, and at 40s. to 45s. for Spanish. *Caraway-seed* is held for 21s. 6d. per cwt. for good Dutch on the spot. The crop in Holland, which was expected to yield 125,000 bags, has only yielded 80,000.

**SENNA.**—The stock of *Alexandrian* leaves is already very heavy and keeps steadily increasing. There are several anxious sellers, but it is difficult to make progress at any price, and quotations are generally tending downwards. Small sales of pods have been made at 5d., and of siftings at 2½d. to 3d. per lb. For broken leaf, the price asked is 4½d. to 6d., and for picked 8d. to 9d. per lb. Arrivals of new-crop *Tinercelly* senna are now coming in freely. The *Rome*, which is due on the 26th inst., will bring 738 bales. The *Tinercelly* senna to be offered at auction next Thursday will be of much better average quality, especially with respect to colour, than that included in the last auctions.

**SHELLAC.**—The shellac shipments from Calcutta in the first half of September have been very heavy, viz.:—

| To ...                  | U. Kingdom | U.S.A. | Continent | Total |
|-------------------------|------------|--------|-----------|-------|
|                         | Cwt.       | Cwt.   | Cwt.      | Cwt.  |
| Sept. 1 to 15, 1897 ... | 2,200      | 2,900  | 2,700     | 7,800 |
| " " 1896 ...            | 1,800      | 1,100  | 900       | 3,800 |

The publication of these figures has depressed the market, and prices have steadily receded. At the close of last week TN second orange, near at hand, sold at 63s. 6d. per cwt., c.i.f. terms, while October-December steamer offered at 64s. per cwt. Since then prices have receded about 1s. per cwt. for shipment, while the speculative market has given way about 2s., October and November delivery being now offered at 66s. 6d. per cwt. At the fortnightly auctions on Tuesday 1,087 cases were offered. This rather large supply was firmly held, and only 210 cases sold at fully steady prices—blocky medium reddish *Second orange*, 60s.; fair bright free reddish ditto, 64s.; fine pale, slightly cakey, 78s. per cwt. For blocky AC *Garnet* 72s. per cwt. was paid; for *Buttonlac*, blocky first, 65s.; good, but blocky, to fine third, 53s. to 57s. per cwt. The closing quotations in the private market are: *Garnet* AC 74s.; fair TN orange, 65s. per cwt. One hundred cases TN October-December shipment sold at 62s. 6d., c.i.f.

**SODA SALTS.**—*Nitrate* steady, at 7s. 7½d. per cwt. for refined and 7s. 4½d. for ordinary quality. *Caustic soda*: 76 per cent., Liverpool or Tyne, 8l. 15s.; 74 per cent., Liverpool, 8l. 5s.; 70 per cent., spot, 7l. 10s., Liverpool, 7l. 5s.; 60 per cent., Liverpool, 6l. 5s. per ton. *Alkali* (58 per cent) offers at 77s. 6d. per ton in bags on rails, and at 80s. f.o.b. Liverpool. *Soda Crystals* in bags 50s., in barrels 52s. 6d., ex ship or wharf, 57s. 6d. f.o.b. Liverpool, and 52s. 6d. f.o.b. Tyne. *Hyposulphite* in kegs, 5l. 15s. on the spot; in casks, 5l. per ton f.o.b. Tyne. *Bicarbonate* in kegs, 7l. 5s. spot, or 6l. 5s. to 6l. 15s. per ton f.o.b. Liverpool.

**SPICES.**—There has been more excitement in spices this week than for some years past, and transactions in all kinds have been on a very large scale. The principal articles affected by the upward speculative movement, however, are *White pepper* and *Pimento*. *Cassia lignea* is higher, and sold to the extent of some hundreds of boxes, at 46s. per cwt. for good quill on the spot. Of *Cassia vera* a small parcel of Padang quills sold at auction, at 25s. to 32s. per cwt.,



according to quality. *Capsicums* are very firm, 8s. 6d. per cwt. being paid at auction for 12 bales common brown African West Coast, while a parcel of 147 bags small picked Bombay capsicums was bought in. *Chillies* have advanced, several hundred bales of Zanzibars having changed hands at from 39s. per cwt. for stalky, up to 42s. 6d. for fine bright. At auction 80 bales were bought in, at 42s. to 45s., and 52 bags Sierra Leone were also bought in, at 36s. to 37s. per cwt. for ordinary red to yellow mixed. *Zanzibar Cloves* have fluctuated considerably. At the beginning of the week the market was easier, but during the past two days it has become decidedly firmer. On the spot business has been done privately at 2½d., and at that figure there are still sellers to-day for fair quality. At auction, however, 50 bales fine bright realised 3½d. For delivery about 4,000 bags have changed hands since our last report, at 2½d. for September-November and 2½d. per lb. for January-March delivery. For shipment a moderate business is reported at 2½d. per lb., c.i.f. terms, October-December steamer. For *Cochin Ginger* an improved demand sprang up on Tuesday, when some 500 bags ordinary washed rough changed hands at 24s. 6d. to 25s. per cwt. At auction 1,931 packages were offered, of which about 650 sold at better prices. Ordinary to fair limed, small to medium native cut, at 34s. to 40s.; ordinary small and ends at 26s. to 31s. 6d.; bold dull limed rough at 28s. to 28s. 6d.; medium small washed, at 26s. per cwt. *Nutmegs* and *Mace* have advanced. At auction good to fine bold pale Penang mace realised 2s. 1d. to 2s. 5d.; broken pickings to fine red, 1s. 5½d. to 1s. 8d. Ordinary to good pale West Indian mace sold at 1s. 4d. to 1s. 10d. per lb. *Nutmegs* realised from 9d. per lb. for very small, to 1s. 11d. for fine bold (76) West Indian, and for 7d. for very small common wormy up to 1s. 11d. for good (81) Penang. *Pimento* has been very excited. The importers have withdrawn their supplies, but from second-hand holders about 1,800 bags have been bought during the week at prices ranging from 3½d. up to 3¾d. per lb. for fair quality. Large transactions have taken place in *Black pepper*: fair Singapore on the spot has advanced from 3½d. to 3½d., while for shipment from 3½d. up to 3½d. per lb. has been paid for October-December. *Lampong pepper* has realised 3½d. on the spot, and from 3½d. to 3½d. for arrival. In White Singapore pepper about 3,000 bags are reported sold on the spot at from 6½d. up to 7d. per lb. for good fair. For arrival from 6½d. to 6½d. has been paid for September-December. Penang is held on the spot at from 5½d. to 5½d., and for shipment, chiefly August-October steamer, at from 5½d. to 5½d. per lb.

**TRAGACANTH** remains inactive for medium and fine grades, but in fairly good demand for ordinary qualities. The quotations are, for first white *Persian*, 13l. to 13l. 10s; seconds 11l. 5s. to 12l. 10s; thirds 10l. to 11l. per cwt. The business transacted has been mostly in yellow and pinky gums at from 4l. 10s. to 6l. per cwt., and there has also been a fair demand for fine Bassorah *Hog gum*, of which sales have been made at 67s. 6d. to 70s. per cwt. for fine pale quality.

**TURMERIC.**—Dearer, and in strong demand. *Bengal* finger is quoted at 11s. 6d.; *Chinese*, 12s. 6d.; good bright *Madras* finger at 18s. to 20s.; ditto bulb at 12s. to 14s.; and split *Cochin* bulb at 8s. per cwt.

**WAX (BEES').**—There has been a somewhat better demand for *Madagascar* wax at the reduced prices quoted by holders, and business is reported at from 5l. 5s. to 5l. 10s. per cwt. for ordinary wormy, and from 5l. 12s. 6d. to 6l. 2s. 6d. per cwt. for grey to bright yellow.

#### Heavy Chemicals.

The heavy chemical market keeps well on the steady side, and there is a continued fair request for most products. Home demand is somewhat heavier, this being particularly noticeable from the textile trades. Contracts for delivery over next year are being steadily placed, and in many cases where there is any change, at slightly higher figures than paid for this year. Prices all round are well maintained, sellers making few concessions. *Bleaching-powder* is in steady demand both for home and export, and a fair amount of business is being transacted in *Caustic soda* at late prices, both for prompt and forward delivery. *Sulphate of copper*

has advanced still further, and is now quoted 16l. 5s.; *Anchor*, 17l.; *Liverpool*, 16l. 10s.; January-April delivery 17l. 5s. *Lead products* are all very firm, and still keep an upward tendency. Present quotations: Nitrate of lead, 19l. 10s., less 2½ per cent., Glasgow; *Brown sugar of lead*, 15l. 15s.; and *White sugar of lead*, 23l., less 2½ per cent., Glasgow. *Soda crystals* are unchanged, but still keep very scarce. *Sal ammoniac* steady, at 31l. per ton for seconds, and 33l. per ton for firsts. *Silicates of soda* in fair request 140° Tw. 3l. 7s. 6d., 100° Tw. 3l., and 75° Tw. 2l. 12s. 6d. per ton, net. *Chloride of barium* moving freely: best refined crystals 6l. 10s. to 6l. 15s., crude calcined 90-95-per cent., 6l. to 6l. 5s. per ton net in bags. *Hydrate of baryta* and *Sulphide of barium* dull. *Precipitated sulphate of barytes* firm with advancing tendency. *Carbonate of barytes* very firm, and little offering for prompt delivery. *Brown acetate of lime* steady, at 5l. 2s. 6d. ex ship. *Sulphate of ammonia* firm, Hull, London, and Leith, 8l. 2s. 6d. Becton, 8l.; Beckton terms, 7l. 17s. 6d. 531 tons were exported from Leith last week. *Aluminate of soda* and *Carbonate of alumina* weak at 32s. 6d. to 45s. per cwt. *Sulphate of alumina* in heavier request especially for purest makes, present quotations 3l. 12s. 6d. to 3l. 17s. 6d. free on rails maker's works. *Linsced* and *Cottonseed* cakes are very firm, and moderate business is passing; the former 95-per-cent. pure is now quoted 7l. to 7l. 2s. 6d., and best makes of the latter 4l. 5s., seconds 4l. 2s. 6d.

#### The Hamburg Drug-market.

Our Hamburg correspondent writes on September 21 that business on our drug-market continues quiet, only a few articles meet with interest. *Agar-agar* is steady, at 280m. per 100 kilos. *Russian anise-seed* is very firm, old crop, 36m.; new crop demands 43m. to 44m. per 100 kilos. *Cape-aloes* is rather firmer, at 48m. per 100 kilos. *Antimony* is steady, at 39½m. to 40m. per 100 kilos. *Balsam Peru* is quiet, at 15m. per kilo. Refined *Camphor* is quiet, to-day's quotation being 257½m. per 100 kilos. *Cassia lignea* is steady, new crop offers at 78m. to 80m. per 100 kilos. *Maltese cummin-seed* is firmer, holders ask 38m. to 40m. per 100 kilos. *Ergot of rye* shows a very firm market, 120m. per 100 kilos. has been paid; good sound quality is very scarce, and higher prices are asked to-day. *Honey* is very firm. Both *Chilian* and *Californian* show a better demand. *Vera Cruz jalap* is unchanged, at 102½m. per 100 kilos. *Kola-nuts* are quiet, at 55m. to 60m. per 100 kilos. *Menthol* is unchanged, at 13m. per kilo. *Lycopodium* is firmer, at 265m. per 100 kilos. *Quinine* has advanced again. The factories do not care to sell at present for prompt delivery; sales at 28m. per kilo. have been effected, and as much as 30m. per kilo. was asked to-day by the Frankfort works. *Quillaia-bark* is very firm and scarce, at 45m. to 46m. per 100 kilos. *Pimento* and *Pepper* show a strong market. In *Essential oils* *Cassia* and *Star-anise oils* are very firm, the latter being quoted at 17½m. per kilo. *Peppermint oil* is quiet, HGH, 5½m. per lb.; *Japan*, 6m. per kilo. *Castor oil* is firm; first pressing spot demands 65m.; future delivery, 63m. to 64m. per 100 kilos. *Cod-liver oil* is quiet, at 68m. to 70m. per barrel. *Turpentine* is very firm, 46½m. per 100 kilos. is asked to-day. *Spermaceti* is steady, at 300m. per 100 kilos. *Gentian-root* is also firm, at 49m. to 50m. per 100 kilos. *Carnauba wax* is a shade better, grey at 78m., yellow, 130m. per 100 kilos. *Japan wax* firm, spot at 80m., forward 77m. per 100 kilos.

#### The Amsterdam Cinchona-market.

Our Amsterdam correspondent writes that at the cinchona-auctions to be held in his city on September 30, 3,925 bales and 362 cases Java cinchona, weighing together 377,650 kilos., will be offered for sale. This quantity represents the equivalent of 21,781 kilos. of sulphate of quinine, which is equal to 6·10 per cent. for the manufacturing-bark. Of the bark 26,259 kilos. (including 4,239 kilos. from the Government plantations) are druggists' barks, and 351,391 kilos. (including 30,169 from the Government plantations) manufacturing-bark. The market generally has a very firm tone, and several bids at figures above the last auction-unit have been refused. It is said, however, that about 2,400 packages of the Amsterdam stock have been privately sold to the German quinine-makers.





In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a *nom-de-plume*, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.

#### Notice to Correspondents.

#### Irish Chemists and Druggists and the Pharmaceutical Society of Ireland.

The following is a copy of the reply sent by the President of the Pharmaceutical Society of Ireland to Mr. J. E. O'Neill, of Maghera, who had written to him in reply to the circular asking Irish chemists and druggists to subscribe to the Society. A summary of Mr. O'Neill's letter was printed in this journal of August 14 last, page 313.

The Pharmaceutical Society of Ireland,  
67 Lower Mount Street, Dublin,  
September 10, 1897.

DEAR SIR,—In reply to your favour of the 7th ultimo, which would have been replied to sooner but for the holidays, I am glad to find that there are only two points which you raise as reasons why you should not become an "Associate Druggist."

In one of these you are incorrect. If you join the Society you can style yourself J. E. O'Neill, "Associate Druggist"; but, as the letters A.P.S. in England indicate a dispensing chemist, I do not think it would be a wise thing to allow those who are not qualified to dispense to use them, and thus mislead the public.

Then, again, as to the election in 1891, you should remember the grounds on which that election was fought. Some gentlemen connected with the wholesale drug-trade made an attempt to put off the Council the pharmaceutical chemists who had been the most active workers, because they had prevented many persons being registered who had no claim to the title of druggist. I need hardly point out to you that placing such persons on the register was doing a great injury to the *bona-fide* druggists; yet, notwithstanding every possible care and scrutiny being exercised, and many bogus claims being rejected, we have several complaints from the country of people being registered who had no right nor claim to it. When the pharmaceutical chemists saw how some wholesale men were using their influence with their customers to vote against those who had given their time and energy for the good of the *bona-fide* druggist, and misrepresenting facts with a view to their own ultimate benefit, then the pharmaceutical chemists, and many Associate Druggists, felt they should support their own men, and thus emphatically show these druggists that they would not submit to those who did good work for them being put off the Council. Many druggists consider the pharmaceutical chemists on the Council are their best friends, and rightly so. No druggist representative, to my knowledge, has ever reported a case of illegal sale of poisons with a view to a prosecution; but, on the contrary, they have in many cases supplied unregistered shopkeepers with poisons, well knowing that they had no right to sell them.

If you can point out any definite grievance I would try to deal with it, as it is hard to answer general charges. The fact that we have so many druggists subscribing to the Society is proof that they at least are satisfied that the Society does some good work for them; and I would remind you that if you expect to get any benefit from the Society it is your duty to subscribe, and then you can with fairness criticise the action of the Council. Personally, I have no objection to having druggists on the Council, but they should be men like Mr. Turkington, who will act fairly towards the pharmaceutical chemists and not dispense prescriptions, but protect their interests generally, as well as those of the druggist.

Have the Council done nothing for the registered druggists in getting the recent additions to the Poison Schedules, and

putting cautionary notices in the daily papers, drawing the attention of unregistered persons to said additions? In whose interest have the many prosecutions for the sale of poisons been instituted?

In conclusion, I can only say that I will take it as a favour if you will let me know of any real grievance you have with the present Council.

I am, dear Sir, faithfully yours,  
W. F. WELLS, jun. (President).

#### The Irish Pharmaceutical Election.

SIR,—An attempt is being made to induce the electors of the Irish Pharmaceutical Society to give an apparent sanction to the proceedings of certain chemists who converted their business into a limited company, by getting them to put on the Council a certain gentleman whose services as an examiner for the licence have recently been dispensed with by the Council.

I merely wish to draw attention to the attempt, for many persons might be inclined to vote for this gentleman on account of his social or business qualities, which are no doubt admirable, and not definitely realise that by so doing they would give their approbation to the proceedings of those who persecuted the druggists for attempting to form limited companies, and then did so themselves.

Yours truly,  
J. C. McWALTER.  
19 North Earl Street, Dublin,  
September 21.

#### Mr. Liverseege's Paper.

SIR,—I notice two small errors in my paper of to-day's date. In Series IV. "1 c.c." and "1 gramme" should be deleted from the heading, and the table should read:—

|    |   |                               |
|----|---|-------------------------------|
| 21 | } | Confection of roses 1 gramme. |
| 22 |   |                               |
| 23 |   |                               |
| 24 |   |                               |
| 25 | } | Glycerine 1 c.c.              |
| 26 |   |                               |
| 27 |   |                               |

I am afraid that from the omission of the brackets the M.S. was not quite clear. The heading of Series V. should be 0.5, not 0.1, gramme.

Yours truly,  
J. F. LIVERSEEGE.  
292 Rotton Park Road,  
Birmingham, September 18.

#### Kentish Town Prices.

SIR,—On April 10, 1897, you gave a little note on Messrs. Lewis & Burrows's balance-sheet showing their profits, and suggesting that by opening a few more shops their profits might exactly balance their expenditure. This state of things must surely be fast approaching, and I should think soon the balance will be on the other side; for in their new shop in Kentish Town Road they are retailing Pears' soap at 3d., Seigel's syrup at 11d., and Beecham's pills (1s. 1½d. size) for 9d., these being ¼d. and ½d. less than makers' best wholesale terms. Of course, if Messrs. L. & B. desire to hurry the inevitable, and to have more stormy shareholders' meetings, we chemists do not object. But we do object to manufacturers allowing their goods to be sold at a dead loss, and at the same time professing goodwill to the chemists. They cannot plead ignorance that this is being done, for their attention has been called to it more than once. When the P.A.T.A. offers them so good a remedy out of their trouble, why do they not accept it?

Yours faithfully,  
FAIR PLAY. (220/46.)

#### A "Rogue" Replies.

SIR,—I read with some amusement your remarks with reference to Mr. George A. Hawkins-Ambler, F.R.C.S.E., in the Liverpool *Medico-Chirurgical Journal*, and it really makes one feel sorry for him. I suppose the said gentleman is not aware of the annual gift made at Salisbury. His "Alma Mater" was in Scotland, and bursaries down south did not reach within his syllabus. What a nice clean-minded, charitable disposition he must have—so generous, even to rogues! The College must feel proud of him, and his name should fire with ambition all neophytes in the hereafter.

Speaking generally, the profession have not much to grumble at in the present century. They have so persistently worked for their protection that there is little left now—even to the rogues. They have a multitude of appointments, they have the services open to them, with position, honour, and good pay; and, furthermore, they have the unlimited confidence of the public; in truth, Sir, he must indeed be a “tenderfoot”—a genuine novice—if he fails under these favourable conditions to make a substantial living. A good man will always come to the front, and he has no bilious jealousy against others who strive in the arena of competition.

To allow the rogues the dispensing only is only giving them their due, and it is to be hoped that Mr. Hawkins Ambler, F.R.C.S.E., will exercise the same strenuous efforts on their behalf as he seems to have utilised to cull this wretched bit of cynicism which has fallen from his pen.

Yours truly,

D. S. DAVIES.

#### What Can they Expect?

The Town Traveller of a certain firm of manufacturers writes:—“It may interest and amuse your readers to learn that a prescription containing our [his firm's] preparation was returned by a West-End London chemist to his client with a written explanation that the preparation was not procurable.” The amusing feature of the incident is that the firm in question do not take the ordinary means of making their preparations known to the trade, and are surprised to find themselves getting forgotten.

### DISPENSING NOTES.

*This section is intended for the elucidation of dispensing difficulties. Subscribers and their employes may contribute to it, criticising any of the following notes or contributing notes on prescriptions which they have found to be of unusual interest.*

#### An Alkaloidal Precipitate.

SIR,—Can you explain the cause of the following changes in dispensing this mixture? On the addition of the ac. hydrobrom. to solution of the salts it changes from colourless to light brown, and on addition of the liq. strych. it becomes quite muddy; but on standing for two or three minutes it becomes perfectly clear again, and does not taste half as bitter as when first mixed:—

|                |     |     |     |           |
|----------------|-----|-----|-----|-----------|
| Ac. hydrobrom. | ... | ... | ... | 5iss.     |
| Ammon. brom.   | ... | ... | ... | gr. xxiv. |
| Pot. iodid.    | ... | ... | ... | gr. xvj.  |
| Liq. strych.   | ... | ... | ... | ℥ xxiv.   |
| Syr. aurant.   | ... | ... | ... | 5ss.      |
| Aq. camph. ad  | ... | ... | ... | 5viij.    |

5j. bis die.

Yours truly,

INQUIRER (220/4).

[The hydrobromic acid interacts with the potassium iodide, and a trace of iodine is liberated from the hydriodic acid, which precipitates the alkaloid partially; but there is so small an amount of alkaloid, and so large a quantity of solvent, that the precipitate is quickly dissolved again. Probably the camphor absorbs the iodine; certainly the orange-syrup does to a slight extent. The reactions in such mixtures as the above are very curious.]

#### Inf. Serpentariæ.

SIR,—I had a prescription to make up this week containing tincture of iodine and infusion of serpentary. The infusion was made fresh, and the result was a dark bluish-green mixture. The above had previously been made up in Edinburgh, the colour being brownish. It seems to me that the Edinburgh people had made it up with the concentrated infusion, which being made most likely by the cold process did not dissolve the starch from the root, and therefore no reaction took place between iodine and it. I sent a note to my customer with an explanation, as I suspected there might be a difference. This was justified, as he said he would not have taken it otherwise. Would it

be correct to keep to the fresh infusion with boiling water, or to prevent the reaction by making a cold infusion?

Yours,

J. H. (220/29.)

[The correct thing is to use the B.P. infusion made with boiling water. Cold water or concentrated infusion is equally a departure from the prescription; but if the customer prefers the mixture of a light colour, it would be legitimate to make the infusion fresh with cold water. Allow double the time for maceration.]

#### What is the Reason?

|                   |     |     |     |       |
|-------------------|-----|-----|-----|-------|
| Sol. pot. iod.    | ... | ... | ... | 5iij. |
| Tr. aurant.       | ... | ... | ... | 5iij. |
| Sol. pot. bicarb. | ... | ... | ... | 5iss. |
| Aq. ad...         | ... | ... | ... | 5vj.  |

Ft. mist. 5vj.

Sig.: 5j. t.i.d. c. pulv. i.

P. ac. citric. ... .. 5j.

Ft. pulv. vj.

Sig.: The Powders.

The above prescription occasionally refuses to effervesce. What is the reason?

AQUA. (221/6.)

#### Nitrous Ether.

SIR,—I annex copy of a prescription handed in to-day. Will you kindly say what is meant by “nitrous ether”? Can it mean spt. æther. nit.? and, if so, how about the solubility of argent. nit.?

I am, yours faithfully,

T. F. WALKER.

|                  |     |     |     |         |
|------------------|-----|-----|-----|---------|
| Argent. nitratis | ... | ... | ... | gr. xx. |
| Nitrous ether... | ... | ... | ... | 5j.     |
| Ft. linimentum.  |     |     |     |         |

P. A.

[We have frequently dispensed such a prescription, but with as much nitrate to 1 oz. of spirit of nitrous ether. No doubt spirit of nitrous ether is meant in the above case also.]

### LEGAL QUERIES.

*We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY, and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

219/43. *Leptin*.—Pepsin put up as a powder without any admixture might be advertised and recommended as a cure for indigestion without incurring liability to medicine-stamp duty.

219/55. *Senex*.—You do not intimate the nature of the trust. A person appointed trustee can refuse to act; but if he undertakes the trust he can probably only be relieved by an order of a court of equity. It would not be necessary to appoint another if two are left. Consult a solicitor.

219/25. *F. D.*.—You cannot get registration of any geographical name. We do not see what good you would get by registering the full label and disclaiming all the words on it, as you would have to. If you make the sauce famous, and then someone comes along with a colourable imitation of your label and get-up generally, the Courts will restrain him outside the Trade Marks Act altogether.

221/7. *Rito* asks: “Is an assistant who takes a situation for an indefinite period, but who is told that it is not to be a permanency, entitled to a month's notice or salary in lieu?” [If that represents all that was told him we think he is.]

220/72. *A. T. W.* asks: “Is a non-qualified man liable to be sued for damages for extracting wrong tooth by accident, every care being exercised?” [Anyone is liable to be sued in such a case; the verdict depends on the evidence. The legal principle is this: Anyone who undertakes to perform such an operation impliedly guarantees his own competence and carefulness. If he can satisfy a Court that he exercised both of these he will not be held responsible for a pure



accident; but it must always be remembered that the presumption as to competence is in favour of the qualified man and against the unqualified person.]

221/24. *Adsum.*—If you are not a pharmaceutical chemist you are liable to a penalty of 5*l.* if you "take, use, or exhibit the name or title of pharmaceutical chemist, pharmacist, or pharmacist" (section 15, Pharmacy Act, 1868).

219/9. *Lycopodium* asks: "Is it legal for a limited company trading as retail chemists, and having a Major man as manager, to call themselves pharmaceutical chemists?" [It is not.] Also: "If they have a branch shop managed by a Ph.C., can they put pharmaceutical chemists over that shop?" [No; they might put "Drug Company (Limited), John Blank, pharmaceutical chemist, manager."]

220/20. *Benzine.*—We think it would be held to be within the exemption of section 7 of the Petroleum Act to sell small quantities of benzine provided it were always sold from a securely-stopped bottle of not more than 1 pint capacity, and that the total quantity in stock did not exceed 3 gals. But it is surely unwise to take any risk of the kind. It is better to put the stuff up in 6*dz.* bottles, and to supply them only.

222/73. *C. H. W.*—Registration at Stationers' Hall only protects literary or artistic work. It is no use for a trademark.

223/29. *Lex.*—Anyone can prosecute under section 17 of the Pharmacy Act. Usually it is the police who undertake the duty. If it is the case as you say that there are no prosecutions under this section in Scotland, you and the rest of the inhabitants of North Britain must share the blame among you.

## MISCELLANEOUS INQUIRIES.

We reply to our subscribers and their employes only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.

212/9. *Ferrum.*—**Enamelling Iron.**—After heating for half an hour in sand, the metal is first dipped in a dilute mineral acid to clean the surface, rinsed in water, and dried. At the same time an enamel is prepared consisting of flint glass 6 parts, borax 3 parts, minium 1 part, zinc oxide 1 part. This is roasted and fused, and while in the fused state poured into water. The cooled mass is powdered, mixed with double its weight of bone-meat, made into a paste with water, and spread upon the metal. When the coating dries a second one is put on consisting of calcined bone 16, kaolin 8, felspar 7, and potashes 2, mixed with water, dried, cooled, and powdered; then the powder made into a paste with calcined bone 2½, calcined quartz 1½, flint glass 8, and a sufficiency of water. When this coating dries another is put on of sand 4, felspar 4, potashes 4, borax 6, zinc oxide 1, nitre 1, arsenious acid 1, and chalk 1, mixed, calcined, cooled, and powdered, then added to quartz 3 and calcined bone 3½, and made into a paste. The metal is then put into a muffle-furnace, where the enamel becomes adhesive and brilliant. This is one process, but many more are in use.

211/28. *B. O. W.*—The matter is not of general interest.

211/60. *L. N. R.*—**Etching-ink:**—

|                      |     |     |      |
|----------------------|-----|-----|------|
| Fluoride of ammonium | ... | ... | 5ij. |
| Sulphate of barium   | ... | ... | 5ij. |

Reduce to fine powder, transfer to a lead dish, and make into a cream with hydrofluoric acid.

Rubber stamps containing zinc should not be used with this, but it is the preparation you want.

214/34. *M.*—**Brown Hair-dye.**—See *C. & D.*, September 4, page 499.

197/2. *Liverpool.*—**Lithographine.**—See *C. & D.*, June 19, page 983.

213/14. *A New Subscriber.*—**Shellac-varnish:**—

|              |     |     |     |         |
|--------------|-----|-----|-----|---------|
| Shellac      | ... | ... | ... | 17 oz.  |
| Sandarac     | ... | ... | ... | 2 oz.   |
| Yellow resin | ... | ... | ... | 2½ oz.  |
| Spirit       | ... | ... | ... | 4 pints |

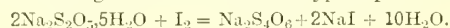
Dissolve and strain.

See our issue of June 26, page 1013, for varnish-stains.

212/53. *Derdle.*—**Homœopathic Pharmacy.**—As to dispensing, see the chapter on the subject in "The Art of Dispensing," and for the pharmacy consult the "Companion to the British Homœopathic Pharmacopœia," published by Messrs. Keene & Ashwell.

214/74. *Veritas.*—If you refer to our Educational number, page 402, second column, you will find what you want. The three years must be served somewhere, not necessarily with a chemist.

214/30. *C. T. J.*—(1) Glycerine of tragacanth is a good excipient for zinc oxide. (2) The reaction which takes place in titrating iodine with sodium hyposulphite is—



You will see from this that one molecule of the hyposulphite equals an atom of iodine. You may call that univalent if you like; but you should read the article in the *C. & D.*, September 26, 1891.

215/27. *S. Harris.*—See our issue of September 4, page 406.

215/37. *R. E. J.*—See reply to "Cupiss."

215/54. *Inter. Sci.*—**Appointments for a Ph.C. and B.Sc.**—See our Educational number, page 422, for ordinary official appointments. The valuable positions which young chemists can fill are not numerous, and those which can be trained for much in advance are less so. In wholesale pharmacy there are not half-a-dozen first-class positions which are held owing to scientific ability pure and simple; personal qualification goes a long way to make a man valuable. We do not advise you to think too much of what you may be able to do four or five years hence. The main thing at present is to do your best to get the qualifications which you desire, and we do not think it unwise for you to go forward to the Major and the B.Sc. examinations. You are sure to find, as your studies advance, that you have a special liking for some particular part, and if that is at all connected with commercial matters you cannot be far wrong in nursing it; but, generally, the proper course is to get a sound all-round knowledge of chemical science, and wait your chance of an outlet for your energies and knowledge.

214/43. *Somerset.*—**Egg-julep:**—

|                      |     |     |     |       |
|----------------------|-----|-----|-----|-------|
| Best primrose soap   | ... | ... | ... | 9j.   |
| Powdered borax       | ... | ... | ... | 5ss.  |
| Solution of potash   | ... | ... | ... | 5ij.  |
| Solution of ammonia  | ... | ... | ... | 5j.   |
| Oil of rose-geranium | ... | ... | ... | xxx.  |
| Oil of lavender      | ... | ... | ... | xxx.  |
| Rectified spirit     | ... | ... | ... | 5j.   |
| Distilled water to   | ... | ... | ... | 5xxx. |

Shred the soap, cover it with water, allow to stand all night, and next morning rub it down smooth; add more water, the borax and solutions, and strain. Then add the oils dissolved in the spirit, a little solution of crocein B or gamboge tincture to colour, and make up to 20 oz. with water.

214/41. *R. H.*—(1) We think not. (2) The gold paint is simply a mixture of ordinary "gold powder," with a celluloid varnish, which is less liable to tarnish the metal than the old-fashioned varnishes.

214/37. *Orientalist* (India).—**Book on Spermatorrhœa.**—One of the latest is Mr. J. L. Milton's "Spermatorrhœa: its Results and Complications" (Renshaw, 10*s.* 6*d.*).

211/40. *Cupiss.*—For making the hair grow you cannot do better than use the preparations for which formulæ are given in our issue of April 3, page 561.

214/33. *Cherry*.—Preserving Glycerine and Cucum-ber.—Add to each pint 20 to 30 drops of formaline.

213/45. *Hotspur*.—American Hemlock-bark used in tanning is obtained from *Abies canadensis*, Mich.

214/13. *Rouge*.—Liquid Rose-bloom:—

|                    |     |     |     |     |      |
|--------------------|-----|-----|-----|-----|------|
| Carmin             | ... | ... | ... | ... | 3ss. |
| Solution of potash | ... | ... | ... | ... | 3vj. |

Mix and add—

|                       |     |     |     |     |      |
|-----------------------|-----|-----|-----|-----|------|
| Essence of white rose | ... | ... | ... | ... | 3ij. |
| Water to              | ... | ... | ... | ... | 3xx. |

Set aside for a few days, agitate occasionally, and filter.

216/41. *September*.—See our issue of September 21, 1895 page 476, and also the issue following.

216/8. *Dyeit*.—What is the perfume which you are not satisfied with?

216/26. *Mac*.—Sugar-coated Bland's Pills.—You can get these from Messrs. F. Newbery & Sons, the agents for Messrs. Warner, of Philadelphia, whose pills are all sugar-coated.

216/50. *C. C. S.*—Cocoa-nut Oil is made odourless by a chemical process which you could not profitably carry out on the small scale. Better use one of the vegetable substitutes for lard, which are largely composed of this fat.

216/38. *The Chymist* says the following Black Hair-dye is first class, but comes off on the pillows, &c.:—

|                   |     |     |     |     |         |
|-------------------|-----|-----|-----|-----|---------|
| Cupri sulphat.    | ... | ... | ... | ... | gr. vj. |
| Glycerini         | ... | ... | ... | ... | mv.     |
| S.V.R.            | ... | ... | ... | ... | 3ss.    |
| Acid. pyrogallie. | ... | ... | ... | ... | 3j.     |
| Aq. rose ad       | ... | ... | ... | ... | 3ij.    |

M.

As the dye is a surface one it is difficult to prevent it coming off, for there is nothing which will mordant it. We should replace the glycerine with ten drops of sulphurous acid, and double the amount of rectified spirit. A little brilliantine should be applied after the dye.

210/18. *Newgate*.—Ink for Printing on Celluloid.—The manufacture of this ink is a trade secret. Nothing can be added to printers' ink to make it print on celluloid. The manufacturers incorporate a celluloid solvent in the process of compounding. Such ink is made by Shackell, Edwards & Co. (Limited), Hornsey Road, N.

215/51. *Brownpol*.—The superiority of your sample of Brown Boot-polish is due to the use of carnauba-wax, which has a greater density and higher melting-point than bees-wax.

212/58. *Canine*.—Worm Capsules for Dogs. These consist of 2 grs. of santonin and 15 grs. powdered areca nut massed with turpentine.

214/59. *Erimus*.—The sample of Tooth-powder which your customer "purchased from a quack doctor in the market-place" can hardly have produced the soreness and salivation complained of as following its use. The powder is composed of whiting, sugar, bole armenian, and some common perfume.

219/39. *Nemo*.—Your sample of Sausage-colouring is aniline red diluted with rice-flour. The proportions you will be able to tell on trial.

197/45. *Vincent*.—The powder given to broken-winded horses just before selling is apparently nothing but coarsely powdered aloes 22 grs. Perhaps some of our readers can explain its action in such a case.

218/17. *Edwardus*.—The addition of opium or any narcotic would not improve the mixture in the least; but you should use acid. hydrobrom. dil. instead of acid. sulph. dil.

217/43. *Herod*.—Hydrochloride of quinine 2 to 5 gr. is contained in each pessary.

218/60. *Inquirer*.—War Office Pharmaceutical Inspectors.—There are only two of these appointments—viz.,

Inspector and Assistant-Inspector of Medical and Surgical Supplies. The appointments are made by the Secretary of State for War, and the present holders are duly qualified pharmaceutical chemists. As far as we are aware the appointments are not open to competition, and, if we are not mistaken, an appointment was made a few years ago of a young pharmacist with West-end experience. The vacancies when they occur (which is rare) are not advertised.

217/40. *W. P. C.*—Erasmus Wilson's Hair-lotion.—The original formula is published in *C. & D.*, October 3, 1896, page 534, to which please refer.

219/4. *Paint*.—(1) Liquid for Darkening Edges of Brown-boot Soles.—Your sample is composed of the following ingredients:—

|                       |     |     |     |        |
|-----------------------|-----|-----|-----|--------|
| Soluble Prussian blue | ... | ... | ... | 60 gr. |
| Oxalic acid           | ... | ... | ... | 20 gr. |
| Jewellers' rouge      | ... | ... | ... | 2 oz.  |
| Mucilage              | ... | ... | ... | 1 oz.  |
| Water to              | ... | ... | ... | 8 oz.  |

Mix.

Are you not in error in thinking your sample should produce a yellow colour? It gives a reddish-brown colour to the edge of the boot-sole. (2) The Stain for the Waists of Brown Boots is managed with saffron and annatto. Boil 3j. of saffron in 4 oz. of water till the colour is extracted, strain, and when cold add ½ oz. spirit. In like manner prepare an annatto-solution (+ pot. carb. 3j.), which add, in small quantities at a time, to the saffron-solution till the required shade is obtained.

218/53. *F. H.*—(1) Worm-syrup.—Refer to *C. & D.*, May 29, 1897, page 866. (2) Santonin is soluble 1 in 40 rectified spirit, 1 in 2 chloroform; also slightly in ether, glycerine, and oil.

213/15. *T. P.*—Tea-plant.—Our correspondent sends a specimen of a plant which is seen about Kidderminster, and appears to be only known by florists and the gardeners under the name of "Tea-plant." It forms a hedge to gardens similar, on casual observance, to the privet, but has long scarlet fruits, and is not so thick. It has become naturalised in the wild state, for no florist in the district is able to supply a similar plant, and it seems to spread rapidly. We do not identify botanical specimens, except in special cases such as this. The plant sent is *Lycium barbarum* (N.O. *Solanaceæ*). It is a native of the countries bordering the Mediterranean. On account of its very rapid growth, pretty little flowers, and bright berries it has become popular in many country gardens, especially for covering arbours, trellises, walls, &c. It is sometimes found in hedges in this country, having escaped from cultivation. It is known either as tea-tree, Duke of Argyll's tea-tree, or box-thorn. The second name was given on account of the leaves somewhat resembling those of the tea, in consequence of which the Duke of Argyll of about 120 years ago brought them to notice as a substitute for Chinese tea. They are not, however, put to any use so far as we are aware.

219/3. *Bromide*.—Fit-mixture.—The following formula resembles your mixture:—

|                 |     |     |     |             |
|-----------------|-----|-----|-----|-------------|
| Potass. bromidi | ... | ... | ... | 3v. gr. xx. |
| Spt. chlorof.   | ... | ... | ... | 3ij.        |
| Tr. calumbæ     | ... | ... | ... | 3iv.        |
| Aquæ ad         | ... | ... | ... | 3iv.        |

M.

3j. pro dosis.

## INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

220/16. Makers of oval bicycle-oil tins.

221 53. "White Lodestone": where procurable?

222/27. Who makes tobacco and cigars which are free from nicotine?

Will "Hotspur," Bristol, please send his name and address?





CRESCENT



BRAND.

# BICARBONATE OF SODA,

REFINED AND RECRYSTALLIZED.

PURE AND CHEAP.

## ANALYSIS.

|                        |     |     |     |     |       |
|------------------------|-----|-----|-----|-----|-------|
| Bicarbonate of Soda    | ... | --- | --- | --- | 97.20 |
| Mono Carbonate of Soda | ... | --- | --- | --- | 1.90  |
| Sulphate of Soda       | --- | --- | --- | --- | trace |
| Chloride of Sodium     | --- | --- | --- | --- | .035  |
| Moisture               | ... | --- | --- | --- | .82   |
| Insoluble              | ... | --- | --- | --- | nil   |

# PURE ALKALI,

GUARANTEED 58 DEGREES.

EQUAL TO 98 PER CENT. OF CARBONATE OF SODA.

Most economical form of Soda for the use of Printers,  
Bleachers, Dyers ; Glass, Paper, and Soap Makers.

## CONCENTRATED CRYSTAL SODA

(Sesqui-Carbonate).

By far the Purest and Cheapest form of Washing Soda.

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CAUSTIC SODA. BLEACHING POWDER.

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*Manufacturers of Soda by the Ammonia Process,***NORTHWICH, CHESHIRE.**



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THE DISTILLERS COMPANY, Ltd., have  
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**“D.C.L.” . .  
. . Malt Extract**

before the Public as a

**Proprietary Article**

in Bottles and specially prepared Lever Lid Tins.

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**The “D.C.L.” Malt Extract**

will be extensively advertised, and Chemists and Druggists  
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USUAL WHOLESALE AND SUNDRY HOUSES.

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Sole Manufacturers of “D.C.L.” Malt Extract—

**THE DISTILLERS CO., LTD.  
EDINBURGH.**

## TO THE MEDICAL PROFESSION AND CHEMISTS.

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Owing to misapprehensions as to the amount of morphine used in the preparation of

### **Mrs. WINSLOW'S SOOTHING SYRUP,**

we wish to state that the amount is one-eighth ( $1/8$ ) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth ( $1/64$ ) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),

W. RENAUD, Managing Director.

83 Farringdon Road, London.

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*Agencies undertaken.*



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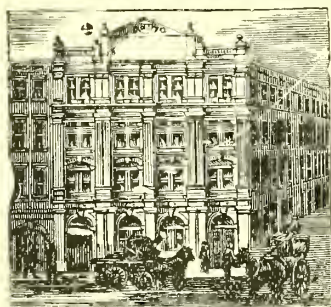
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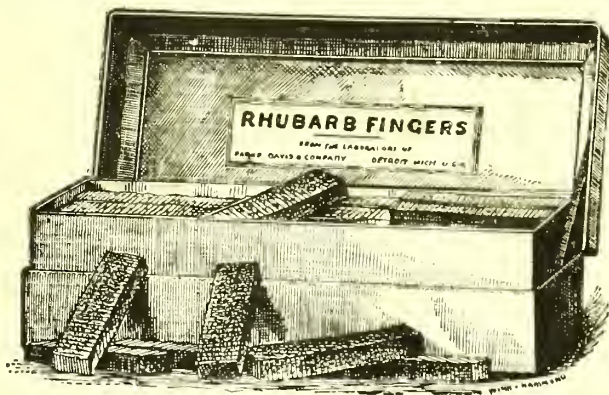
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Anodyne.

Relieves pain and reduces the temperature, at the same time free from unpleasant after-effects.

Supplied in powdered form in 1 oz. boxes at 1/6; also in 5 grain pellets, in bottles of 1 oz., at 2/-. Dose: 5 to 10 Grains.

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**CHLORODYNE**

Has been placed on the **P.A.T.A. LIST**, and the  
minimum retail prices are for

|            |            |            |             |
|------------|------------|------------|-------------|
| 1/1½       | 2/9        | 4/6        | 11/-        |
| <b>1/-</b> | <b>2/6</b> | <b>4/-</b> | <b>10/-</b> |

**Prices to Trade:**

**9/- 23/6 38/- 95/-** per dozen.

This preparation does not contain any poison which is included in Part 1, Schedule A, of the Poisons Act; therefore the Signature of the purchaser is not required.

Chemists who study their own reputations should never be thoughtless enough to sell an imitation Chlorodyne. Any first-class old-established Chemist will tell you that Dr. Browne's preparation is the only genuine Chlorodyne.

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|-------------------|----------------------|-----|-----|-----|------|-----------------|
| BEECHAM'S PILLS.— | 9½d. size (36 pills) | ... | ... | ... | 7/-  | per dozen, net. |
|                   | 13½d. „ (56 pills)   | ... | ... | ... | 9/6  | „ „             |
|                   | 2/9 „ (168 pills)    | ... | ... | ... | 25/- | „ „             |

No orders executed below £5 value. These prices are the lowest, no matter what quantity is ordered.

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Packages free. Carriage paid.

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2d. per Gross, in 12-Gross lots.

**A GOOD SELLING LINE!!!**

1 Gross in Metal-capped Bottle ... **2 9** Per single dozen Bottles.

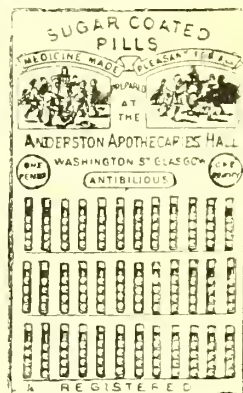
6 dozen of Bottles ... **2 8** per Dozen.

Carriage Paid. Neat and Telling Label in Blue.

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| 1/1½ size | ... | Wholesale Price, 10/- per dozen. |
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# 'AMBROSIA'

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Yields to the Retailer OVER

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Cotton and Hospital  
Wool Bandages,  
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Induction Inhalation  
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# WAX,

Genuine Bees'

(Cakes, Bars, Tablets),

Ceresine and Japan Wax.

BILLITER BLDGS. LONDON.

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**AUSTRIAN PINE PRODUCTS for ABSOLUTE CURE of**

Bronchitis, Throat and Chest Affections, Rheumatism, Chronic Gout,  
Sciatica and Lumbago, Nervous Aches and Pains, &c.

Highly recommended by the Medical Profession and the "Lancet."  
MACK'S ESSENCE. MACK'S JUJUBES. MACK'S PECTORAL SYRUP  
MACK'S BOUQUET (for Fumigation), Indispensable for Sick Rooms.  
MACK'S ANTI-RHEUMATIC BATH. MACK'S CAPSULES.  
MACK'S SOLUTION.

**MACK'S**  
**PINE SANITARY & TOILET SOAP.**

Perfect as an Emollient. Useful in Nursery. Admirable for Shaving.

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OBTAINABLE AT ALL CHEMISTS. Pamphlets Post-free on Application.

# WHITE BEESWAX,

WARRANTED PURE. BLEACHED BY SUN.

# REFINED YELLOW BEESWAX,

Recognised as the Standard in the United States.

*Write for Sample and Quotation, naming quantity desired.*

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## "STERLING BRAND" GRANULAR & EFFERVESCENT & SCALE PREPARATIONS, ELEGANT AND SOLUBLE.



### A Most Powerful, Absolutely Non-Poisonous, Non-Irritant, & Convenient ANTISEPTIC DISINFECTANT & DEODORANT

Chinosol ( $C_6H_5N.KSO_3$ ) is, as shown by the Bacteriological Reports, at least 40 times stronger in its germicidal action than Carbolic Acid, without possessing the dangerous and otherwise objectionable properties of the latter.

Chinosol is sold in various forms adapted to its manifold important applications—viz., Pure Chinosol, in Powder and Compressed Tablets; Crude Chinosol, in Granular and Fluid form, as a Disinfectant and Deodorant; Dusting Powder, for Wounds, Sores, and for Destruction of Parasites, &c.; Chinosol Lanolin Ointment; Chinosol Antiseptic Surgical Dressings; Chinosol Soap (Medicinal, Veterinary, and Toilet), &c., &c.

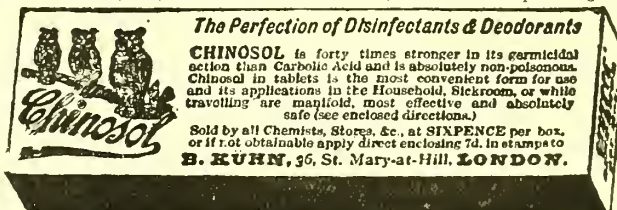
A special and very saleable Counter line, for Retail, is provided in a box (as per facsimile), containing Chinosol Tablets, sufficient to make, by simply dissolving in cold water, 2 gallons of a strong Deodorant, or 10 gallons of an efficient Disinfectant.

This box is Retailed at SIXPENCE.

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Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.

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The active principle of the Thyroid Gland.

A Specific for Headache, Influenza, Acute Muscular Rheumatism.

Acting promptly in Chronic and Acute Enteritis, especially for Children.

(Tartrate of Piperazine). Antilithic, Uric Solvent.

A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.

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An excellent cicatrising agent. *Special indications:* Burns, Ulcus Cruris, Parasitical Eczema, Ozæna,

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they are prepared to execute orders for the same, and pledge themselves to supply them in all their integrity.

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**TINCTURES, ETC., IN BOND.**

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Chloroform (DUNCAN'S S.G. 1490) Non-decomposable. PURE & METHYLATED.

This contains about 1 per cent. Absolute Alcohol, but in other respects is identical with our ordinary make (S.G. 1497), which contains about  $\frac{1}{4}$  per cent. While this minute proportion of Alcohol in no way affects its anæsthetic power, it renders the Chloroform **PRACTICALLY NON-DECOMPOSABLE.**

N.B.—We are now bringing this Chloroform prominently before the Medical Profession, but we continue to send out Sp. Gr. 1497 where Sp. Gr. 1490 is not specially ordered. We recommend the latter for export, particularly to warm climates.

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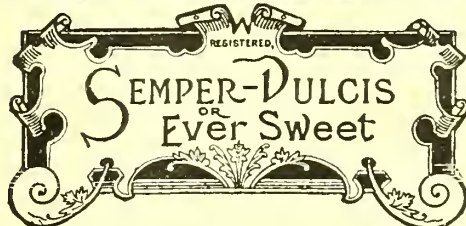
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(Patented in England, Germany, France, and U.S. America),

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Chest Protectors.

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Respirators, &c., &c.

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BOTTLES, &c., of ANY SHAPE OR COLOUR, at the most Reasonable Prices.

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## BOTTLES FOR ALL REQUIREMENTS

Trial Orders and enquiries solicited by

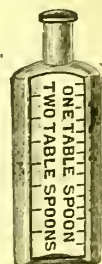
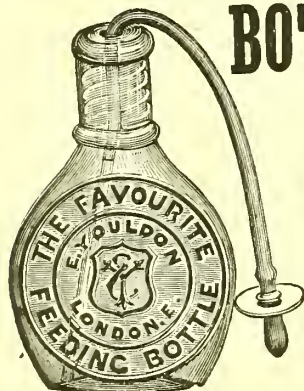
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Afford the only convenient and safe means of burning Sulphur, which in presence of air and aqueous vapour forms Sulphurous Acid Gas, the most powerful and effectual disinfectant; more searching in its effects than any solid or liquid agents, and forming the best method for disinfecting apartments or hospital-wards and their contents, purifying the atmosphere and preventing disease, killing the noxious vapours from sewers, cesspools, &c., and destroying all insect life. They are readily lighted by the simple application of a burning match to the wick, and are endorsed and recommended by Boards of Health and Insurance Companies at home and abroad.

Large size, in tins ... .. 8/- per doz.  
Small size, in porous containers 3/3 ..

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**QUALITY IS OF**

## STANDARD ANTISEPTIC GAUZES.



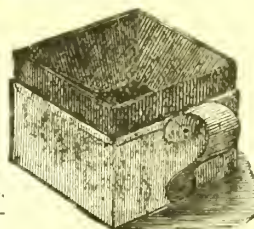
ABSORBENT  
ALEMBROTH, 1%  
BENZOATED, 5%  
BORATED, 10%  
CARBOLATED,  
ABS., 5%  
CARBOLATED,  
LISTER'S, 5%  
CORROSIVE SUB.,  
1 to 1,000  
CORROSIVE SUB.,  
1 to 2,000  
EUCALYPTOL, 5%  
HYDRONAPH-  
THOL, 2½%  
IODOFORM, 5%  
IODOFORM, 10%  
IODOFORM, 20%  
IODOFORM, 30%  
MERCURO ZINC  
CYANIDE, 3%  
SALICYLIC, 5%  
THYMOL, 5%  
\* Dry or moist.  
Packed in folds.

1-yard and 5-yard airtight containers.

The medication in all our Gauzes is based upon the weight of the finished product, and are thoroughly impregnated with the percentage of medication as stated upon the label.

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PULMONARY TUBERCULOSIS, whilst communicable, is fortunately distinctly preventable in others if absolutely all the matter coughed up by a consumptive be promptly destroyed, for this material alone contains the tubercle bacilli—the breath of a consumptive does not. Boards of Health throughout the land are now instituting increased and vigorous measures against its spread, and recommending the use of spitting-cups for the collection and control of the sputum, and SEABURY'S SANITARY CUSPIDORES are what is intended.

They consist of a waterproof paper container inserted and retained in a metal frame. After soiling, CONTAINERS, with CONTENTS, ARE TO BE BURNED (their cheapness admitting this), thus forming the most effectual means for destroying absolutely all germs, and preventing re-infection or infection of others. It becomes an imperative duty to recommend their use whenever tuberculosis or diphtheria has appeared. Used in Sanitariums, and recommended by Pathologists and Boards of Health throughout the world.

Cuspidore with 5 Papers ... .. 7/- per doz.  
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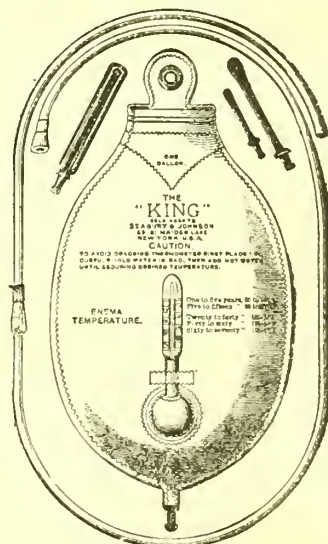
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Ensures  
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in  
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**ENEMA.**

NO GUESSWORK.

Avoids Chilling or  
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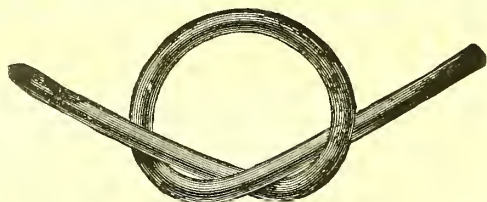
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Uterine Irrigator ... .. 2/- ..

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| Cylindrical              | .. | .. | .. | 7/6  | per dozen. |
| Conical                  | .. | .. | .. | 8/6  | "          |
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TO RECOMMEND IS

## The "SYRACUSE,"

With SELF-ADJUSTING LOOP at back of Pouch.

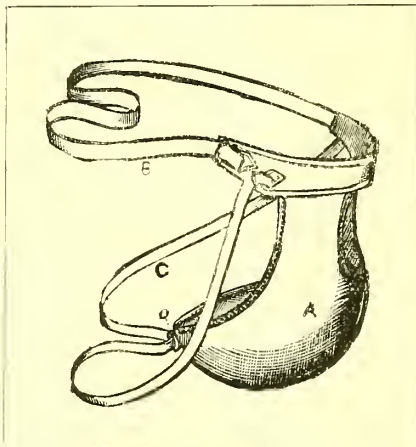
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**LARGEST SALE**  
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3 Sizes, Large, Medium, & Small.

Made in Seven Qualities, to  
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Each Bandage is carded separately  
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Each Bandage bears a  
Guarantee to give satis-  
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### COTTON POUCHES.

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|---------|------|---------------|
| Nos. 10 | 16   | 21            |
| 6/6     | 12/- | 18/- per doz. |

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| Nos. 26 | 31   | 34   | 36            |
| 24/-    | 30/- | 48/- | 72/- per doz. |

We call attention to the fact that our Bandages are advertised in all the leading Athletic papers, and are largely used by Athletes of all kinds. We would strongly recommend all Chemists who require a first-rate Bandage, and who wish to give satisfaction to their Customers, to hold stock, which will enable them to supply our Bandages when asked for.

May be obtained from all leading Druggists' Sundries Houses throughout the Country, or from the

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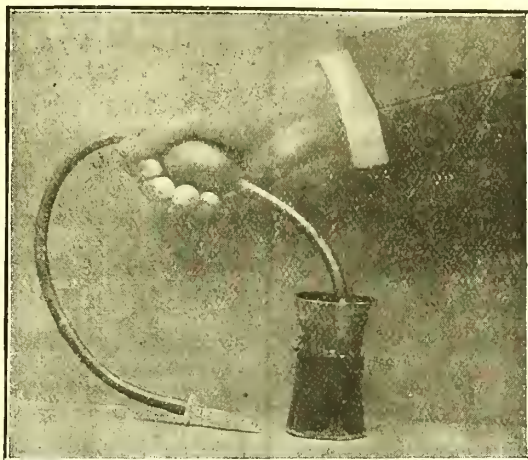


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MADE IN BEST BLACK  
RUBBER, MOULDED.

The Patent Anchor holds the Enema firmly in position when in use, leaving both hands free and effectually preventing the possibility of air being drawn inside the Enema instead of the fluid.

ANCHORS with VALVE ATTACHMENT, which can be readily fitted to any Enema, can be had separately.



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Quotations for **S.V.R.** Methylated Spirit and Finish on application.  
**FINEST ORANGE WINE FOR QUININE.**

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**JONES & COMPANY,**  
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LARGEST MAKERS IN THE KINGDOM

We are prepared to supply METHYLATED SPIRIT in  
5-gallon quantities at Lowest Prices.

**REDUCTIONS TO LARGE BUYERS.**  
SAMPLES FREE.

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### ARTICULAR EXTRACT.

Prepared from the fresh Articular Cartilages and Synovial Membranes of healthy animals. In Bottles, 3s., 5s. 6d., and 10s.

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1-oz. Bottles of Tincture of Suprarenal Glands, 2s. 6d.  
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### EXTRACTUM CORTICIS CEREBRI (Brain Extract).

Price, in Bottles, 3s. and 5s.

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Dose.—Half to one teaspoonful two or three times a day.  
In Bottles, 3s., 5s. 6d., and 10s.

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Fluid Extract, 2s. 6d. per oz. Bottles.  
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### THYROID EXTRACT.

(FOR MYXŒDEMA.)  
Price, in Bottles, 3s.

### THYROIDINE.

Containing the active principle of the Thyroid Glands of the sheep, 4 grains equal to about one-eighth of a fresh gland. Also PILLS and TABLETS, each containing a dose of Thyroidine.  
In Bottles, 2s. 6d. each.



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**NOTICE.**—Our Reduced Prices for Soothers will be maintained.

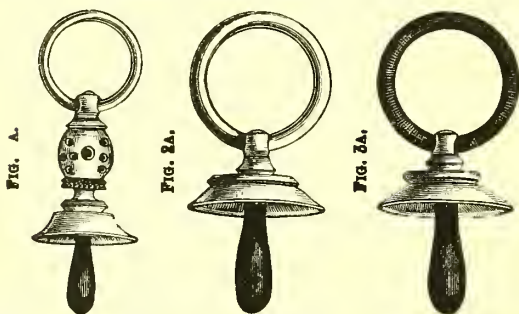
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| 3 & 4 oz. .. 7/6 per gross.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 6, 8, 10, 12, 16, 20, 24, 32, 40, 48, 64, 80, 96, 128, 160, 192, 256, 320, 384, 448, 512, 576, 640, 704, 768, 832, 896, 960, 1024, 1088, 1152, 1216, 1280, 1344, 1408, 1472, 1536, 1600, 1664, 1728, 1792, 1856, 1920, 1984, 2048, 2112, 2176, 2240, 2304, 2368, 2432, 2496, 2560, 2624, 2688, 2752, 2816, 2880, 2944, 3008, 3072, 3136, 3200, 3264, 3328, 3392, 3456, 3520, 3584, 3648, 3712, 3776, 3840, 3904, 3968, 4032, 4096, 4160, 4224, 4288, 4352, 4416, 4480, 4544, 4608, 4672, 4736, 4800, 4864, 4928, 4992, 5056, 5120, 5184, 5248, 5312, 5376, 5440, 5504, 5568, 5632, 5696, 5760, 5824, 5888, 5952, 6016, 6080, 6144, 6208, 6272, 6336, 6400, 6464, 6528, 6592, 6656, 6720, 6784, 6848, 6912, 6976, 7040, 7104, 7168, 7232, 7296, 7360, 7424, 7488, 7552, 7616, 7680, 7744, 7808, 7872, 7936, 8000, 8064, 8128, 8192, 8256, 8320, 8384, 8448, 8512, 8576, 8640, 8704, 8768, 8832, 8896, 8960, 9024, 9088, 9152, 9216, 9280, 9344, 9408, 9472, 9536, 9600, 9664, 9728, 9792, 9856, 9920, 9984, 10048, 10112, 10176, 10240, 10304, 10368, 10432, 10496, 10560, 10624, 10688, 10752, 10816, 10880, 10944, 11008, 11072, 11136, 11200, 11264, 11328, 11392, 11456, 11520, 11584, 11648, 11712, 11776, 11840, 11904, 11968, 12032, 12096, 12160, 12224, 12288, 12352, 12416, 12480, 12544, 12608, 12672, 12736, 12800, 12864, 12928, 12992, 13056, 13120, 13184, 13248, 13312, 13376, 13440, 13504, 13568, 13632, 13696, 13760, 13824, 13888, 13952, 14016, 14080, 14144, 14208, 14272, 14336, 14400, 14464, 14528, 14592, 14656, 14720, 14784, 14848, 14912, 14976, 15040, 15104, 15168, 15232, 15296, 15360, 15424, 15488, 15552, 15616, 15680, 15744, 15808, 15872, 15936, 16000, 16064, 16128, 16192, 16256, 16320, 16384, 16448, 16512, 16576, 16640, 16704, 16768, 16832, 16896, 16960, 17024, 17088, 17152, 17216, 17280, 17344, 17408, 17472, 17536, 17600, 17664, 17728, 17792, 17856, 17920, 17984, 18048, 18112, 18176, 18240, 18304, 18368, 18432, 18496, 18560, 18624, 18688, 18752, 18816, 18880, 18944, 19008, 19072, 19136, 19200, 19264, 19328, 19392, 19456, 19520, 19584, 19648, 19712, 19776, 19840, 19904, 19968, 20032, 20096, 20160, 20224, 20288, 20352, 20416, 20480, 20544, 20608, 20672, 20736, 20800, 20864, 20928, 20992, 21056, 21120, 21184, 21248, 21312, 21376, 21440, 21504, 21568, 21632, 21696, 21760, 21824, 21888, 21952, 22016, 22080, 22144, 22208, 22272, 22336, 22400, 22464, 22528, 22592, 22656, 22720, 22784, 22848, 22912, 22976, 23040, 23104, 23168, 23232, 23296, 23360, 23424, 23488, 23552, 23616, 23680, 23744, 23808, 23872, 23936, 24000, 24064, 24128, 24192, 24256, 24320, 24384, 24448, 24512, 24576, 24640, 24704, 24768, 24832, 24896, 24960, 25024, 25088, 25152, 25216, 25280, 25344, 25408, 25472, 25536, 25600, 25664, 25728, 25792, 25856, 25920, 25984, 26048, 26112, 26176, 26240, 26304, 26368, 26432, 26496, 26560, 26624, 26688, 26752, 26816, 26880, 26944, 27008, 27072, 27136, 27200, 27264, 27328, 27392, 27456, 27520, 27584, 27648, 27712, 27776, 27840, 27904, 27968, 28032, 28096, 28160, 28224, 28288, 28352, 28416, 28480, 28544, 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101568, 101632, 101696, 101760, 101824, 101888, 101952, 102016, 102080, 102144, 102208, 102272, 102336, 102400, 102464, 102528, 102592, 102656, 102720, 102784, 102848, 102912, 102976, 103040, 103104, 103168, 103232, 103296, 103360, 103424, 103488, 103552, 103616, 103680, 103744, 103808, 103872, 103936, 104000, 10406 |                                |
| WHITE MOULDED PHIALS, plain or graduated Teaspoons—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| ½ oz. .. .. 3/6 per gross.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1½ oz. .. .. 4/6 per gross     |
| 1 .. .. 3/9 ..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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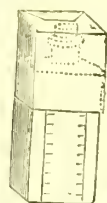
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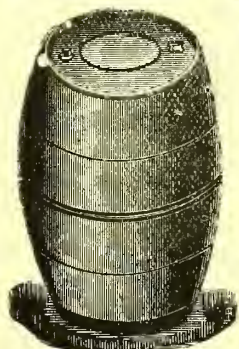
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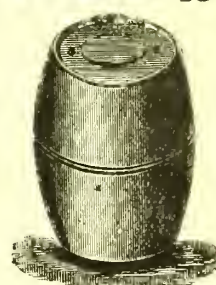
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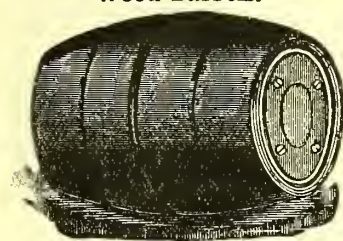


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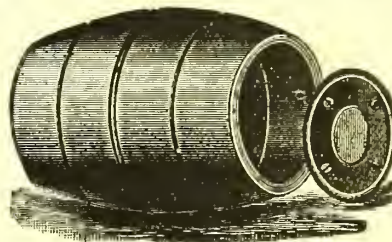


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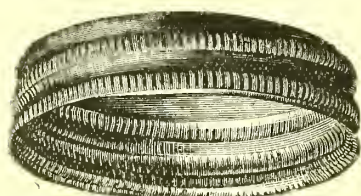
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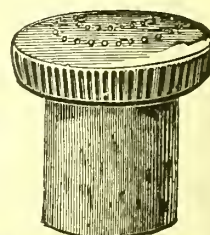
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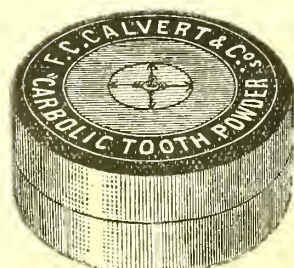
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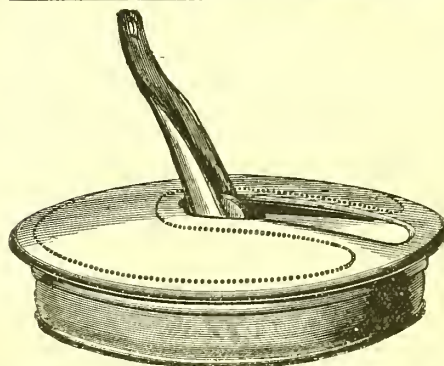
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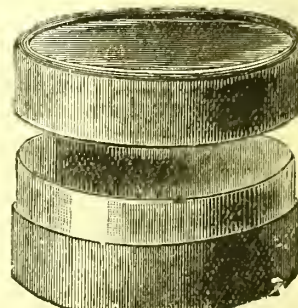
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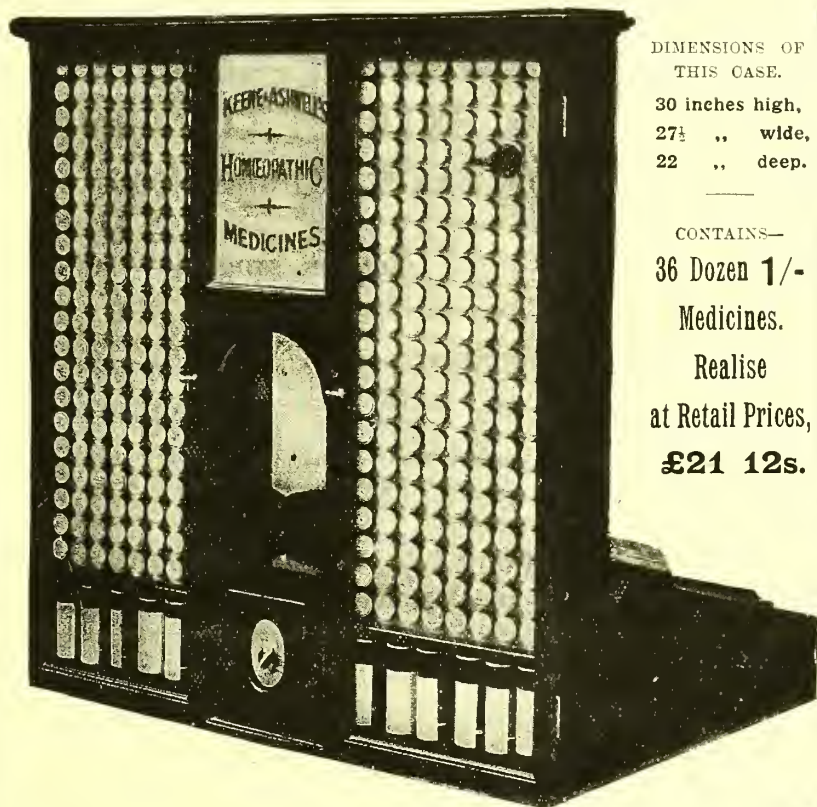
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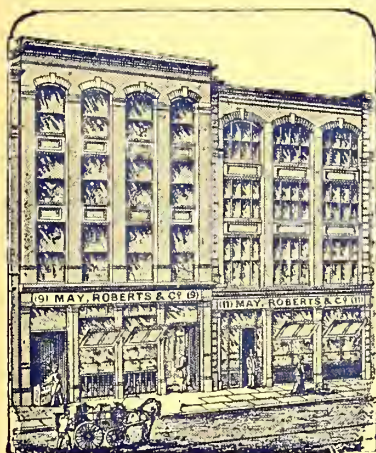
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	½-lb. Bottles	1-lb. Bottles	Per Bottle	Per Bottle
"Edme" Malt Extract per doz.	6/6	9/6	1/-	1/6
"Edme" Fluid Malt Extract "	10 6	19/6	1 2	2/2
"Edme" Malt Extract and Cod Liver Oil "	8/6	15/-	1/-	1/8
"Edme" Malt Extract combined with the Hypophosphites of Lime, Sodium, and Potassium "	9/6	16/6	1/1	1/10
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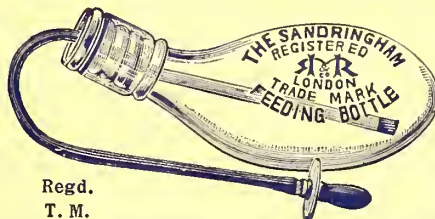
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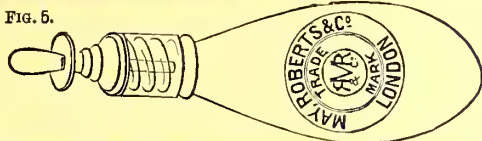
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WHITE, Screw Glass Stoppers.

Each in box, two brushes.

	Per doz.
Black fittings	4/3
Spare black fittings	2/-
Spare bottles	1/3
Spare stoppers and washers	9d.

FIG. 5.



White Glass, moulded, fitted with screw glass stopper, black indiarubber leech-hite teat, bone shield, with brush, complete in box .. per doz. 6/-
Spare bottles 1/11
Spare stoppers and washers 1/3

FIG. 1.



White Glass, hand-made, fitted with black teat and boxwood-topped cork, with brush, complete in box, three sizes per doz. 6/9

Regd.
T. M.

THE POPULAR (6d.).

GREEN GLASS, Boxwood Tops.

	Per gross.
Black fittings, 1 gross in cask (free) 25/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/3
Black fittings, each in box ..	2/8
Spare black fittings	1/4
Spare green bottles	10d.
Spare white bottles	1/-

If with White instead of Green Bottles,
2d. per dozen extra.

Regd.
T. M.

THE POPULAR (6d.).

GREEN, Screw Glass Stoppers.

	Per gross.
Black fittings, 1 gross in cask (free) 31/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/9
Black fittings, each in box ..	3/2
Spare black fittings	1/7
Spare green bottles	1/1
Spare white bottles	1/3
Spare stoppers and washers, green or white	9d.

If with White instead of Green Bottles,
2d. per dozen extra.

Regd.
T. M.

THE COLONIAL (6d.).

GREEN GLASS, Boxwood Tops.

	Per gross.
Black fittings, 1 gross in cask (free) 25/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/3
Black fittings, each in box ..	2/8
Spare black fittings	1/4
Spare green bottles	10d.
Spare white bottles	1/-

If with White instead of Green Bottles,
2d. per dozen extra.

Regd.
T. M.

THE COLONIAL (6d.).

GREEN, Screw Glass Stoppers.

	Per gross.
Black fittings, 1 gross in cask (free) 31/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/9
Black fittings, each in box ..	3/2
Spare black fittings	1/7
Spare green bottles	1/1
Spare white bottles	1/3
Spare stoppers and washers, green or white	9d.

If with White instead of Green Bottles,
2d. per dozen extra.

POPULAR or COLONIAL (1s.).

WHITE, Earthenware Tops.

	per doz.
Each in box, two brushes, black fittings	4/-
Spare black fittings	2/-
Spare bottles	1/-

If Fitted with Seamless Teats, 1/6 per gross extra.

POPULAR or COLONIAL (1s.).

WHITE, Screw Glass Stoppers.

	per doz.
Black fittings, each in box, two brushes	4/3
Spare black fittings	2/-
Spare bottles	1/3

ALL ABOVE SUBJECT TO USUAL TERMS.

MAY, ROBERTS & CO., LONDON.

Cadbury's Cocoa

**ABSOLUTELY PURE
therefore BEST.**

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure."—*The Analyst*.

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

UNDER EMINENT SCIENTIFIC CONTROL

"APENTA"

THE BEST NATURAL APERIENT WATER.



Trade Prices :

Per Case.

25 Large Bottles	-	20/-
50 Small „	-	32/6
100 Quarter „	-	32/6

*Carriage Paid
to any Railway
Station in the
United Kingdom.*

5 per cent. Discount upon orders for 10 Cases.

**TERMS :—Six Months' Credit from date of Invoice,
Net Cash.**

The retail prices printed on the labels are 1/3 per large bottle, 1/- per small bottle, and 6d. per quarter bottle.

THE APOLLINARIS COMPANY, LIM.

4 Stratford Place, Oxford Street, London, W.